

No AMDG-2/01-CPR-13-1

1) Code of the product type: \$235JR

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Tomasz Szafrański

Manager of Quality Management – Longs

tsectronlli

Date: 7.12.2022



Harmonised **Essential characteristic** Performance technical specification EN 10056-2 I/H EN 10034 IPN EN 10024 Tolerances on EN 10279 U dimensions and shape Nominal thickness (mm) Values (MPa) min 16 235 225 16 40 Yield strength 215 40 63 80 215 63 80 100 215 100 140 195 Nominal thickness (mm) Values (MPa) min max =3 100 360 510 Tensile strength 350 500 100 140 Nominal thickness (mm) Values (%) EN 10025-1:2004 min 26 =3 40 Elongation 40 63 25 24 63 100 100 140 22 Nominal thickness (mm) Values (J) Impact strength min 27 / 20°C 140 Nominal thickness (mm) Values (%) max Weldability 30 0,35 0,35 30 40 0,38 40 140 Durability Nominal thickness (mm) Values (%) (Chemical min max composition) 140 C: 0,17-0,20 Mn: 1,40 P:0,040 Cu: 0,55 S:0,040 N: 0,012



No AMDG-2/02-CPR-13-1

1) Code of the product type: \$235J0

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dabrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

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Tomasz Szafrański

Manager of Quality Management – Longs

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Essential characteristic		Perfo	rmance	Harmonised technical specification	
	L		FN 10	0056-2	
	1/			10034	
Tolerances on	IP		EN 10024		
dimensions and	U			10279	
shape					
	Nominal thic	kness (mm)	Value	s (MPa)	
	>	≤	n	nin	
		16	2	35	
	16	40		25	
Yield strength				_	
•	40	63		15	
	63	80		15	
	80	100		15	
	100	140	1	95	_
	Nominal thic	kness (mm)	Value	s (MPa)	
	>	≤	min	max	
	=3	100	360	510	
Tensile strength	100	140	350	500	
	Nominal thic	kness (mm)	Valu	es (%)	EN 10025-1:2004
	>	≤	min		
=1	=3	40	2	26	
Elongation	40	63	2	25	
	63	100	2	24	
	100	140	2	22	
	Nominal thic	kness (mm)	Valu	es (J)	
Impact strength	>	≤	n	nin	=
		140		/ 0°C	
	Nominal thic	kness (mm)	Valu	es (%)	
	>	≤		nax	
Weldability		30		,35	
	30	40	0.	,35	
	40	140	0	,38	_
Durability	Nominal thic	kness (mm)	Valu	es (%)	
(Chemical	>	≤	min	max	$\dashv$
composition)		140		C: 0,17 Mn: 1,40	
				P: 0,035 Cu: 0,55 S: 0,035	
				N: 0,012	



No AMDG-2/03-CPR-13-1

1) Code of the product type: \$235J2

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

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Manager of Quality
Management – Longs



Esse	ential characterist	ic	Perforn	Performance	
		L	EN 100	)56-2	
		Ή	EN 10		
Tolerances on		PN	EN 10		
dimensions and	l	J	EN 10	279	
shape					
	Nominal thic	ckness (mm)	Values	(MPa)	
	>	≤	mi	n	
		16	23	5	
<b> </b>	16	40	22	5	
Yield strength	40	63	21:		-
	63	80	21:		=
	80	100	21:		=
 	100	140	19:	-	_
l l				-	
	Nominal thic	ckness (mm)	Values		
	>	≤	min	max	
Tensile strength	=3	100	360	510	
- onone on ong	100	140	350	500	
 					_
	Nominal thic	ckness (mm)	Values	s (%)	EN 10025-1:2004
	>	≤	mi	n	
Florestion	=3	40	26	3	
Elongation	40	63	25	j	
	63	100	24		
	100	140	22	2	
	Nominal thic	ckness (mm)	Value	s (J)	
Impact strength	>	≤	mi	n	_
l		140	27 / -2		-
	Name in al 4bit	•			
	Nominal thic	ckness (mm)	Values	5 (%)	
	>	≤	ma		
Weldability		30	0,3		
	30	40	0,3		
	40	140	0,3	8	
		L			=
Durability		ckness (mm)	Values (%)		
(Chemical	>	≤	min	max	_
composition)		140		C: 0,17	
				Mn : 1,40 P : 0,030	
				Cu: 0,55	
				S: 0,030	
1					



No AMDG-2/04-CPR-13-1

1) Code of the product type: \$275JR

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dabrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

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Manager of Quality Management – Longs

+ srotvonthi

Date: 7.12.2022



Harmonised **Essential characteristic** Performance technical specification EN 10056-2 I/H EN 10034 IPN EN 10024 Tolerances on EN 10279 U dimensions and shape Nominal thickness (mm) Values (MPa) min 16 275 265 16 40 Yield strength 255 40 63 80 245 63 80 100 235 225 100 140 Nominal thickness (mm) Values (MPa) min max =3 100 410 560 Tensile strength 400 540 100 140 Nominal thickness (mm) Values (%) EN 10025-1:2004 min 23 =3 40 Elongation 40 63 22 63 100 21 100 140 19 Nominal thickness (mm) Values (J) Impact strength min 27 / 20°C 140 Nominal thickness (mm) Values (%) max Weldability 30 0,40 0,40 30 40 0,42 40 140 Durability Nominal thickness (mm) Values (%) (Chemical min max composition) 140 C: 0,21-0,22 Mn: 1,50 P:0,040 Cu: 0,55 S:0,040 N: 0,012



No AMDG-2/05-CPR-13-1

1) Code of the product type: \$275J0

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

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Date: 7.12.2022



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No AMDG-2/06-CPR-13-1

1) Code of the product type: \$275J2

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

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Manager of Quality
Management – Longs



Essential characteris			Perforn	1200	Harmonised technical
Loo	cittai citaracteristi		i cilom	iance	specification
	L		EN 100	)56-2	
	1/	Н	EN 10034		
Tolerances on	IP		EN 10034		
dimensions and	U		EN 10		
shape					
	Nominal thic	kness (mm)	Values	(MPa)	
	>	≤	mir	n	
		16	27:	5	
	16	40	269	5	
Yield strength	40	63	25		
	63	80	24		
					=
	80	100	239		_
	100	140	229	IJ	
	Nominal thic	kness (mm)	Values	(MPa)	
	>	≤	min	max	
T! tt -	=3	100	410	560	
Tensile strength	100	140	400	540	
					$\exists$
	Nominal thic	kness (mm)	Values (%)		EN 10025-1:2004
	>	≤	min		
	=3	40	23		
Elongation	40	63	22		
	63	100	21		
	100	140	19		
	Nominal thic	kness (mm)	Value	s (J)	
Impact strength			miı		
	>	≤ 140	27 / -2		
	Nominal thic	kness (mm)	Values	s (%)	
	>	≤	ma	х	
Weldability		30	0,4	0	
	30	40	0,4	0	
	40	140	0,4	2	4
Durability	Nominal thic	kness (mm)	Values	s (%)	
(Chemical	>	≤	min	max	=
composition)		140	1	C: 0,18 Mn: 1,50 P: 0,030 Cu: 0,55	
			1	S:0,030	



No AMDG-2/07-CPR-13-1

1) Code of the product type: \$355JR

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

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Tomasz Szafrański

Manager of Quality
Management – Longs



Esse	Essential characteristic Performance		rmance	Harmonised technical specification	
	L		EN 1	0056-2	
	1/	Н		10034	
Tolerances on	IP			10024	
dimensions and	U			10279	
shape					
	Nominal thic	kness (mm)	Value	s (MPa)	
Ī	>	≤	r	nin	
		16	3	355	
	16	40	3	345	_
Yield strength	40	63		335	_
					_
	63	80		325	_
	80	100		315	
	100	140	2	295	
	Nominal thic	kness (mm)	Value	s (MPa)	
	>	≤	min	max	
Tanaila atranath	=3	100	470	630	
Tensile strength	100	140	450	600	
<u> </u>					
	Nominal thickness (mm)		Values (%)		EN 10025-1:2004
	>	≤	min		
Elongation	=3	40		22	
Liongation	40	63		21	
	63	100		20	
	100	140		18	
	Nominal thic	kness (mm)	Valu	ıes (J)	1
Impact strength	>	≤	r	nin	_
	-	140		20°C	
	Nominal thic	kness (mm)	Valu	Values (%)	
	>	≤		nax	
Weldability		30		,45	
	30	40		,47	
-	40	140	0	,47	_
Durability	Nominal thic	kness (mm)	Valu	es (%)	1
(Chemical	>	≤	min	max	-
composition)		140		C: 0,24	7
				Si: 0,55	
				Mn : 1,60	
				P:0,040	1
				Cu: 0,55	
				S:0,040	1
				N: 0,012	



No AMDG-2/08-CPR-13-1

1) Code of the product type: \$355J0

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

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Manager of Quality Management – Longs

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Date: 7.12.2022



Harmonised **Essential characteristic** Performance technical specification EN 10056-2 I/H EN 10034 IPN EN 10024 Tolerances on EN 10279 U dimensions and shape Nominal thickness (mm) Values (MPa) min 16 355 345 16 40 Yield strength 335 40 63 80 325 63 80 100 315 295 100 140 Nominal thickness (mm) Values (MPa) min max =3 100 470 630 Tensile strength 450 600 100 140 Nominal thickness (mm) Values (%) EN 10025-1:2004 min 22 =3 40 Elongation 40 63 21 63 100 20 100 140 18 Nominal thickness (mm) Values (J) Impact strength min 27 / 0°C 140 Nominal thickness (mm) Values (%) max Weldability 30 0,45 0,47 30 40 0,47 40 140 Durability Nominal thickness (mm) Values (%) (Chemical min max composition) 140 C: 0,20-0,22 Si: 0,55 Mn: 1,60 P: 0,035 Cu: 0,55 S: 0,035 N: 0.012



No AMDG-2/09-CPR-13-1

1) Code of the product type: \$355J2

According EN 10025-2

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Manager of Quality Management – Longs

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Date: 7.12.2022



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No AMDG-2/12-CPR-20-1

1) Code of the product type: \$460JR

According EN 10025-2

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To be used in welded, bolted and riveted structures

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Tomasz Szafrański

Manager of Quality Management – Longs

tsentronlin



Esse	Essential characteristic Performance		rmance	Harmonised technical specification	
	L		EN 1	0056-2	
	1/1			10034	
Tolerances on	IPI			10024	
dimensions and	U			10279	
shape			2		
	Nominal thic	kness (mm)	Value	s (MPa)	
	>	≤	n	nin	
		16	4	60	
	16	40		40	
Yield strength		-		_	_
	40	63		20	_
	63	80		.00	
	80	100		90	
	100	140	3	90	
	Nominal thic	kness (mm)	Value	s (MPa)	
	>	≤	min	max	
L	=3	100	550	720	
Tensile strength	100	140	530	700	
	Nominal thickness (mm)		Values (%)		EN 10025-1:2004
1	>	≤	min		
Elongation	=3	40	17		
Eloligation	40	63	,	17	
	63	100	,	17	
	100	140	,	17	
	Nominal thic	kness (mm)	Valu	es (J)	
Impact strength	>	≤	n	nin	_
	-	140		20°C	
	Nominal thic	kness (mm)	Valu	es (%)	
	>	≤		nax	
Weldability		30		,47	
	30	40		,49	
	40	140	0	,49	
Durability	Nominal thic	kness (mm)	Valu	es (%)	
(Chemical	>	≤	min	max	
composition)		140		C: 0,20-0,22	
				Si: 0,55	
				Mn : 1,70	
				P: 0,035	
				Cu: 0,55	
				S: 0,035	
			<u> </u>	N: 0,025	



No AMDG-2/13-CPR-20-1

1) Code of the product type: \$460J0

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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Date: 7.12.2022



Harmonised **Essential characteristic** Performance technical specification EN 10056-2 I/H EN 10034 IPN EN 10024 Tolerances on EN 10279 U dimensions and shape Nominal thickness (mm) Values (MPa) min 16 460 440 16 40 Yield strength 420 40 63 80 400 63 80 100 390 100 140 390 Nominal thickness (mm) Values (MPa) min max =3 100 550 720 Tensile strength 530 700 100 140 Nominal thickness (mm) Values (%) EN 10025-1:2004 min 17 =3 40 Elongation 40 63 17 17 63 100 17 100 140 Nominal thickness (mm) Values (J) Impact strength min 27 / 0°C 140 Nominal thickness (mm) Values (%) max Weldability 30 0,47 0,49 30 40 0,49 40 140 Durability Nominal thickness (mm) Values (%) (Chemical min max composition) 140 C: 0,20-0,22 Si: 0,55 Mn: 1,70 P: 0,035 Cu: 0,55 S: 0,035 N: 0.025



No AMDG-2/14-CPR-20-1

1) Code of the product type: \$460J2

According EN 10025-2

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System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Tomasz Szafrański

Manager of Quality
Management – Longs



Esse	Essential characteristic		Perfo	Performance	
	L		EN 1	0056-2	
	1/	Н		10034	
Tolerances on	IPI			10024	
dimensions and	U			10279	
shape					
	Nominal thic	kness (mm)	Value	s (MPa)	
	>	≤	r	nin	
	•	16	4	160	
	16	40		140	
Yield strength		-		120	
	40	63			_
	63	80		100	$\dashv$
	80	100		390	
-	100	140	3	390	-
	Nominal thic	kness (mm)	Value	s (MPa)	
	>	≤	min	max	
T	=3	100	550	720	
Tensile strength	100	140	530	700	
-					-
	Nominal thickness (mm)		Values (%)		EN 10025-1:2004
	>	≤	min		
Elongation	=3	40		17	
Liongation	40	63		17	
	63	100		17	
-	100	140		17	_
	Nominal thic	kness (mm)	Valu	ıes (J)	
Impact strength	>	≤	r	nin	
	-	140	27 /	-20°C	
	Nominal thic	kness (mm)	Valu	es (%)	
	>	≤		nax	_
Weldability		30		,47	
	30	40		,49	
-	40	140	0	,49	_
Durability	Nominal thic	kness (mm)	Values (%)		
(Chemical	>	≤	min	max	
composition)		140		C: 0,20-0,22	
				Si: 0,55	
				Mn : 1,70	
				P:0,035	
				Cu: 0,55 S: 0,035	
				S: 0,035 N: 0,025	1



No AMDG-2/15-CPR-20-1

1) Code of the product type: \$460K2

According EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Tomasz Szafrański

Manager of Quality Management – Longs

tsectionali

Date: 7.12.2022



Harmonised **Essential characteristic** Performance technical specification EN 10056-2 I/H EN 10034 IPN EN 10024 Tolerances on EN 10279 U dimensions and shape Nominal thickness (mm) Values (MPa) min 16 460 440 16 40 Yield strength 420 40 63 80 400 63 80 100 390 100 140 390 Nominal thickness (mm) Values (MPa) min max =3 100 550 720 Tensile strength 530 700 100 140 Nominal thickness (mm) Values (%) EN 10025-1:2004 min 17 =3 40 Elongation 40 63 17 17 63 100 17 100 140 Nominal thickness (mm) Values (J) Impact strength min 140 40 / -20°C Nominal thickness (mm) Values (%) max Weldability 30 0,47 0,49 30 40 0,49 40 140 Durability Nominal thickness (mm) Values (%) (Chemical min max composition) 140 C: 0,20-0,22 Si: 0,55 Mn: 1,70 P: 0,035 Cu: 0,55 S: 0,035 N: 0.025



No AMDG-4/01-CPR-13-1

1) Code of the product type: \$275M According EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

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Tomasz Szafrański

Manager of Quality
Management – Longs



Essential characteristic		Perfo	ormance	Harmonised technical specification	
	L		EN	10050.0	эрсолюцион
	_			10056-2	
	I / H IPN			10034 10024	
Tolerances on	IP L				
dimensions and shape		)	EN	10279	
	Nominal thic	kness (mm)	Valu	es (MPa)	
	>	≤		min	•
		16	-	275	
					-
Yield strength	16	40		265	
	40	63		255	
	63	80		245	]
	80	100		245	
	100	140		240	
	Nominal thic	kness (mm)	Value	es (MPa)	
	rtommur tino	Kilooo (IIIII)			
	>	≤	min	max	
Tensile strength		40	370	530	
· onone on ong	40	63	360	520	
	63	80	350	510	
	80	100	350	510	
	100	140	350	510	
	Nominal thic	kness (mm)	Values (%)		EN 10025-1:2004
	>	≤	min		
Elongation		140		24	
	Nominal thic	kness (mm)	Val	ues (J)	•
Impact strength				min	-
	>	≤ 140		/-20°C	•
	Nominal thic			ues (%)	
	>	≤		max	
Weldability		16		0,34	
vvoidability	16	40		0,34	1
	40	63		0,35	1
	63	140		0,38	1
Durability	Nominal thic	kness (mm)	Values (%)		
(Chemical	>	≤	min	max	
composition)		140	AI: 0,02	C: 0,15 Ti: 0,05	
				Mn: 1,50 Cr: 0,30	
				Si: 0,50 Mo: 0,10	
				P: 0,030 Ni: 0,30	
				S: 0,030 Cu: 0,55	
				Nb: 0,05 N: 0,015	
				V:0,08	



No AMDG-4/02-CPR-13-1

1) Code of the product type: \$275ML

According EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Tomasz Szafrański

Manager of Quality
Management – Longs



Esse	ential characteristi	<b>C</b>	Perfo	rmance	Harmonised technical specification
	L		EN 1	0056-2	
	1/	Н		10034	
Tolerances on	IPI			10024	
dimensions and	U			10279	
shape					
	Nominal thic	kness (mm)	Value	s (MPa)	
	>	≤	r	nin	1
		16	2	75	1
	16	40		265	1
Yield strength					
-	40	63		255	Į l
	63	80		.45	
	80	100		45	]
	100	140	2	240	
	Nominal thic	kness (mm)	Value	s (MPa)	
	>	≤	min	max	
		40	370	530	
Tensile strength	40	63	360	520	
	63	80	350	510	
	80	100	350	510	
	100	140	350	510	1
	Nominal thic		Values (%)		EN 10025-1:2004
	>	≤	min		
Elongation		140	:	24	
		. , .			
Impact strength	Nominal thic			ies (J)	
	>	≤ 140		nin -50°C	1
	Nominal thic	kness (mm)	Valu	es (%)	
	>	≤		nax	
Weldability		16	0	,34	
	16	40	0	,34	
	40	63		,35	
	63	140	0	,38	
Durability	Nominal thic	kness (mm)	Valu		
(Chemical	>	≤	min	max	1
composition)		140	AI: 0,02	C: 0,15 Ti: 0,05	1
. ,		-		Mn : 1,50 Cr : 0,30	
				Si: 0,50 Mo: 0,10	
				P: 0,030 Ni: 0,30	
				S: 0,025 Cu: 0,55	
				Nb: 0,05 N: 0,015	
				V: 0,08	



No AMDG-4/03-CPR-13-1

1) Code of the product type: \$355M

According EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Tomasz Szafrański

Manager of Quality
Management – Longs

Date: 7.12.2022



Harmonised **Essential characteristic** Performance technical specification EN 10056-2 I/H EN 10034 IPN EN 10024 Tolerances on EN 10279 U dimensions and shape Nominal thickness (mm) Values (MPa) min 16 355 345 16 40 Yield strength 335 40 63 80 325 63 80 100 325 320 100 140 Nominal thickness (mm) Values (MPa) min max 40 470 630 Tensile strength 450 40 63 610 63 80 440 600 80 100 440 600 100 140 430 590 Nominal thickness (mm) Values (%) EN 10025-1:2004 min 22 140 Elongation Nominal thickness (mm) Values (J) Impact strength min 140 40 / -20°C Nominal thickness (mm) Values (%) max Weldability 16 0,39 0,39 16 40 0,40 40 63 0,45 63 140 Durability Nominal thickness (mm) Values (%) (Chemical min max composition) AI: 0,02 Ti: 0,05 140 C:0,16 Mn: 1,60 Cr: 0,30 Si: 0,50 Mo: 0,10 P:0,030 Ni: 0,50 S:0,030 Cu: 0,55 Nb: 0,05 N: 0,015 V:0,10



No AMDG-4/04-CPR-13-1

1) Code of the product type: \$355ML

According EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Tomasz Szafrański

Manager of Quality Management – Longs

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Esse	ential characteristi	c	Perfo	ormance	Harmonised technical specification
	L		EN ·	10056-2	
	1/			10034	
Tolerances on	IPI			10024	
dimensions and	U			10279	
shape					
	Nominal thic	kness (mm)	Value	es (MPa)	
ľ	>	≤		min	
		16		355	
•	16	40		345	
Yield strength					
	40	63		335	1
	63	80		325	]
	80	100		325	
	100	125		320	]
	Nominal thic	kness (mm)	Value	es (MPa)	1
ľ	>	≤	min	max	
		40	470	630	
Tensile strength	40	63	450	610	
	63	80	440	600	
	80	100	440	600	
	100	125	430	590	
	Nominal thic		Values (%)		EN 10025-1:2004
	>	≤	min		
Elongation		125		22	
	Nominal thic	kness (mm)	Val	ues (J)	
Impact strength	>	≤		min	
ľ		125		/-50°C	1
	Nominal thic	kness (mm)		ues (%)	
[	>	≤		max	]
Weldability		16		0,39	
[	16	40		0,39	
	40	63		0,40	1
	63	125	(	0,45	
Durability	Nominal thic	kness (mm)	Values (%)		]
(Chemical	>	≤	min	max	]
composition)		125	AI: 0,02	C: 0,16 Ti: 0,05	
				Mn: 1,60	
				P: 0,030 Ni: 0,50 S: 0,025 Cu: 0,55 Nb: 0,05 N: 0,015	
				V : 0,10	



No AMDG-4/05-CPR-15-1

1) Code of the product type: S420M

According EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

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Tomasz Szafrański

Manager of Quality
Management – Longs



Essential characteristic		Perf	ormance	Harmonised technical specification	
	L		EN	10056-2	
	1/	Н		I 10034	
Tolerances on	IPI			I 10024	
dimensions and	U			I 10279	
shape					
	Nominal thic	kness (mm)	Valu	es (MPa)	1
ļ l	>	≤		min	
ľ		16		420	
 	16	40	+	400	
Yield strength			+	390	
	40	63			_
	63	80		380	4
	80	100		370	
-	100	140		365	1
	Nominal thic	kness (mm)	Valu	es (MPa)	1
ļ	>	≤	min	max	
	•	40	520	680	
Tensile strength	40	63	500	660	
<b> </b>	63	80	480	640	
1	80	100	470	630	
	100	140	460	620	
	Nominal thic	kness (mm)	Values (%)		EN 10025-1:2004
	>	≤		min	
Elongation		140		19	4
Inches of the state of the	Nominal thic	kness (mm)	Va	lues (J)	-
Impact strength	>	≤		min	
		140	40	/-20°C	
_	Nominal thic		Val	ues (%)	
	>	≤		max	
Weldability		16		0,43	
	16	40		0,45	
	40	63		0,46	
	63	140		0,47	-
Durability	Nominal thic	kness (mm)	Values (%)		
(Chemical	>	≤	min	max	
composition)		140	AI: 0,02	C: 0,18 Ti: 0,05	
				Mn: 1,70 Cr: 0,30	
				Si: 0,50 Mo: 0,20	
			1	P: 0,035 Ni: 0,80	
			1	S: 0,030 Cu: 0,55 Nb: 0,05 N: 0,025	
			İ	V: 0,12	



Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Tomasz Szafrański

Manager of Quality
Management – Longs



Esse	ential characteristi	с	Perf	ormance	Harmonised technical specification
	L		EN	10056-2	
	1/			I 10034	1
Tolerances on	IP			I 10024	1
dimensions and	U			I 10279	1
shape					
	Nominal thic	kness (mm)	Valu	es (MPa)	
	>	≤		min	1
		16		420	1
	16	40		400	1
Yield strength				390	-
	40	63		380	-
	63	80			-
	80	100		370	4
	100	125		365	4
	Nominal thic	kness (mm)	Valu	es (MPa)	1
	>	≤	min	max	1
Tensile strength		40	520	680	
rensile strength	40	63	500	660	
	63	80	480	640	
	80	100	470	630	
	100	125	460	620	_
	Nominal thic		Values (%)		EN 10025-1:2004
	>	≤ 125		min 19	4
Elongation		123		19	
					1
Impact strength	Nominal thic	kness (mm)	Va	lues (J)	
	>	≤	07	min	<u> </u>
	Nominal thic	125 knoss (mm)		/ -50°C ues (%)	_
					_
l	>	≤		max	4
Weldability	40	16		0,43	_
	16 40	40 63		0,45 0,46	4
	63	125			_
			0,47		
Durability	Nominal thic	kness (mm)	Values (%)		
(Chemical	>	≤	min	max	
composition)		125	AI: 0,02	C: 0,18 Ti: 0,05	
				Mn: 1,70 Cr: 0,30	
				Si: 0,60 Mo: 0,20	
				P: 0,030 Ni: 0,80 S: 0,025 Cu: 0,55	
				Nb : 0,05 N : 0,025	
				V: 0,12	



No AMDG-4/07-CPR-15-1

1) Code of the product type: S460M

According EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Tomasz Szafrański

Manager of Quality
Management – Longs

Date: 7.12.2022



Harmonised **Essential characteristic** Performance technical specification EN 10056-2 I/H EN 10034 IPN EN 10024 Tolerances on EN 10279 U dimensions and shape Nominal thickness (mm) Values (MPa) min 16 460 440 16 40 Yield strength 430 40 63 80 410 63 100 400 80 385 100 140 Nominal thickness (mm) Values (MPa) min max 40 540 720 Tensile strength 530 40 63 710 63 80 510 690 80 100 500 680 100 140 490 660 Nominal thickness (mm) Values (%) EN 10025-1:2004 min 17 140 Elongation Nominal thickness (mm) Values (J) Impact strength min 140 40 / -20°C Nominal thickness (mm) Values (%) max Weldability 16 0,45 0,46 16 40 0,47 40 63 0,48 63 140 Durability Nominal thickness (mm) Values (%) (Chemical min max composition) AI: 0,02 Ti: 0,05 140 C:0,18 Mn: 1,70 Cr: 0,30 Si: 0,60 Mo: 0,20 P:0,035 Ni: 0,80 S:0,030 Cu: 0,55 Nb: 0,05 N: 0,025 V · 0 12



No AMDG-4/08-CPR-15-1

1) Code of the product type: S460ML

According EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

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Tomasz Szafrański

Manager of Quality
Management – Longs

Date: 7.12.2022



Harmonised **Essential characteristic** Performance technical specification EN 10056-2 I/H EN 10034 IPN EN 10024 Tolerances on EN 10279 U dimensions and shape Nominal thickness (mm) Values (MPa) min 16 460 440 16 40 Yield strength 430 40 63 80 410 63 80 100 400 385 100 125 Nominal thickness (mm) Values (MPa) min max 40 540 720 Tensile strength 530 40 63 710 63 80 510 690 80 100 500 680 100 125 490 660 Nominal thickness (mm) Values (%) EN 10025-1:2004 min 17 125 Elongation Nominal thickness (mm) Values (J) Impact strength min 125 27 / -50°C Nominal thickness (mm) Values (%) max Weldability 16 0,45 0,46 16 40 0,47 40 63 0,48 63 125 Durability Nominal thickness (mm) Values (%) (Chemical min max composition) AI: 0,02 Ti: 0,05 125 C:0,18 Mn: 1,70 Cr: 0,30 Si: 0,60 Mo: 0,20 P:0,030 Ni: 0,80 S:0,025 Cu: 0,55 Nb: 0,05 N: 0,025 V · 0 12



No AMDG-5/04-CPR-15-1

Code of the product type: \$235J0W

According EN 10025-5

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Tomasz Szafrański

Manager of Quality Management – Longs

+ szofvonti



Essential characteristic		P	erformance	Harmonised technical specification	
I	L			EN 10056-2	
	1/		'	EN 10034	
	IP			EN 10024	-
Tolerances on	<u>"</u>			EN 10279	
dimensions and shape				LN 10273	
	Nominal thic	kness (mm)	v	alues (MPa)	7
ŀ	>	≤		min	
Ī		16		235	
ŀ	16	40		225	
Yield strength					
	40	63		215	
	Name in al de ia			(aluan (ARDa)	
	Nominal thic	Kriess (mm)	v	alues (MPa)	
	>	≤	min	max	
	=3	40	360	510	
Tensile strength	40	63	360	510	
ļ					
-					
	Nominal thic	kness (mm)		Values (%)	EN 10025-1:2004
	>	≤	min		
Elongation	=3	40		26	
Liongation	40	63		25	
Impact strength	Nominal thic			Values (J)	
}	>	≤ 63	+	min 27 / 0°C	┥ !
	Nominal thic			Values (%)	
ļ	>	≤		max	┑ !
Weldability		16		0,44	╡ !
	16	63		0,44	
-					+
Durability	Nominal thic	kness (mm)		Values (%)	
(Chemical	>	≤	min	max	7
composition)		63	Mn: 0,20	C: 0,13 P: 0,040	<b>-</b>
•			Cu: 0,25	Si: 0,40	
			Cr: 0,40	Mn: 0,60	
			· .	Cu:0,55	
				Cr: 0,80	
				S: 0,040	
				N: 0,012	



No AMDG-5/05-CPR-15-1

Code of the product type: \$235J2W

According EN 10025-5

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Tomasz Szafrański

Manager of Quality Management – Longs

tszofranchi

Date: 7.12.2022



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Essential characteristic			Performance		Harmonised technical specification
	L		EN 10056-2		
	I/H		EN 10034		
Tolerances on	olerances on IPN		EN 10024		
dimensions and	d U		EN 10279		
shape					
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	2	235	
	16	40	225		
	40	63	215		
					=
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	=3	40	360	510	4
	40	63	360	510	
					-
	Nominal thickness (mm)		Values (%)		EN 10025-1:2004
	>	≤	min		
Elongation	=3	40	26		
	40	63	25		
			Walter CD		-
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤ 63	min 27 / -20°C		-
	•		Values (%)		-
	Nominal thickness (mm)				_
	>	≤	max		
Weldability		16	0,44		4
	16	63	0,44		
Durability	Nominal thic	kness (mm)	Values (%)		
(Chemical	>	≤	min	max	7
composition)		63	Mn: 0,20	C: 0,13	
			Cu: 0,25	Si: 0,40	
			Cr: 0,40	Mn: 0,60	
		1		Cu:0,55	1
		1		Cr: 0,80	1
				S:0,035	
		1		P: 0,040	



No AMDG-5/01-CPR-15-1

Code of the product type: \$355J0W

According EN 10025-5

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Piłsudskiego 92 41-308 Dąbrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Tomasz Szafrański

Manager of Quality
Management – Longs

Date: 7.12.2022



Harmonised **Essential characteristic** Performance technical specification EN 10056-2 I/H EN 10034 IPN EN 10024 Tolerances on EN 10279 U dimensions and shape Nominal thickness (mm) Values (MPa) min 16 355 345 16 40 Yield strength 40 335 63 Nominal thickness (mm) Values (MPa) min max =3 40 470 630 Tensile strength 470 630 40 63 Nominal thickness (mm) Values (%) EN 10025-1:2004 min 22 =3 40 Elongation 40 63 21 Nominal thickness (mm) Values (J) Impact strength min 27 / 0°C 63 Nominal thickness (mm) Values (%) max Weldability 16 0,52 0,52 16 63 Durability Nominal thickness (mm) Values (%) (Chemical min max composition) 63 Mn: 0,50 C:0,16 Cr: 0,80 Cu: 0,25 Si: 0,50 Cr: 0,40 P:0,040 S:0,040 N:0,012 Mn: 1,50 Cu: 0.55



No AMDG-5/02-CPR-15-1

Code of the product type: \$355J2W

According EN 10025-5

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Poland S.A. al. J. Pilsudskiego 92 41-308 Dabrowa Górnicza - Poland Tel: +48 32 776 66 66 Fax:+48 32 776 82 00 sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0038 LRQA performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in point 1 is in conformity with the declared performance in the table. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Tomasz Szafrański

Manager of Quality
Management – Longs

Date: 7.12.2022



Harmonised **Essential characteristic** Performance technical specification EN 10056-2 I/H EN 10034 IPN EN 10024 Tolerances on EN 10279 U dimensions and shape Nominal thickness (mm) Values (MPa) min 16 355 345 16 40 Yield strength 40 335 63 Nominal thickness (mm) Values (MPa) min max =3 40 470 630 Tensile strength 470 630 40 63 Nominal thickness (mm) Values (%) EN 10025-1:2004 min 22 =3 40 Elongation 40 63 21 Nominal thickness (mm) Values (J) Impact strength min 63 27 / -20°C Nominal thickness (mm) Values (%) max Weldability 16 0,52 0,52 16 63 Durability Nominal thickness (mm) Values (%) (Chemical min max composition) 63 Mn: 0,50 C:0,16 Cu: 0,25 Si: 0,50 Cr: 0,40 P: 0,035 S:0,035 Mn: 1,50 Cu: 0,55 Cr: 0.80