

No AMOL-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

 ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Olaberria
 Carretera Madrid - Irún, Km. 417
 20212 - Olaberria (Guipúzcoa) Spain T +34 943 805 000
 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0086 BSI 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:

José María Galindo Quality Manager

HGUILLO .

Date: 1.12.2021



Essential characteristic			Perfor	mance	Harmonised technical specification
	1/	Н	EN 10034		
	IP		EN 1		
Tolerances on dimensions and shape	Ĺ	J	EN 1	0279	
	Nominal thic	kness (mm)	Values	(MPa)	$\dashv$
	>	≤	m	in	
		16	23	35	
Ī	16	40	22	25	
Yield strength	40	63	21		
 	63	80	21		
	80	100	21		
<u> </u>	100	140	19		
<b> </b>	100	140			
	Nominal thic	` ,	Values	• •	
	>	≤	min	max	
Tensile strength	=3	100	360	510	
renane arengui	100	140	350	500	
<u> </u>	Nominal thickness (mm)		Value		EN 10025-1:2004
	>	≤	m		
Elongation	=3	40	2		
	40 63	63	25		_
	100	100 140	24 22		
	100	140			
Impact strangth	Nominal thic	kness (mm)	Value	es (J)	
Impact strength	>	≤		min	
		140	27 / 2	20°C	
<u> </u>	Nominal thic		Value		
<u>                                     </u>	>	≤	ma		
Weldability		30	0,0		
	30 40	40 140	0,3		_
 	40	140	0,.	00	
Durability	Nominal thic	kness (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 AMOL-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

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José María Galindo Quality Manager

Transco

Date: 1.12.2021



Essential characteristic			Performance		Harmonised technical specification
	1/	Н	EN 10	0034	·
	IP	N	EN 10	0024	
Tolerances on dimensions and shape	Ĺ	J	EN 10279		
	Nominal thic	kness (mm)	Values	(MPa)	$\dashv$
ĺ	>	≤	mi	n	
		16	23	5	
V. 11 - 4 4	16	40	22	5	
Yield strength	40	63	21	5	
	63	80	21	5	
	80	100	21	5	
	100	140	19	5	
	Nominal thic	kness (mm)	Values	(MPa)	
	>	≤	min	max	
Tensile strength	=3	100	360	510	
- chiene en engin	100	140	350	500	
-					
	Nominal thickness (mm)		Values (%)		EN 10025-1:2004
l L	>	≤	min		
Elongation	=3	40	26		
	40 63	63 100	25		_
	100	140	24		
 	100	140	22		
	Nominal thic	kness (mm)	Value	s (J)	
Impact strength	>	≤	mi	n	
		140	27 / 0	O°C	
	Nominal thic	kness (mm)	Values	s (%)	
	>	≤	ma		
Weldability		30	0,3		
	30	40	0,3		
	40	140	0,3	8	
Durability	Nominal thic	kness (mm)	Values (%)		-
(Chemical	>	≤	min	max	$\dashv$
composition)		140		C: 0,17	=
				Mn : 1,40	
				P: 0,035	
			ı	Cu: 0,55	
				S: 0,035	
				N: 0,012	
			<u> </u>		



No AMOL-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

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System 2+

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José María Galindo Quality Manager

HGUILLO .

Date: 1.12.2021



Essential characteristic			Perforr	mance	Harmonised technical specification
I	1/	Н	EN 10034		
	IP		EN 10		
Tolerances on dimensions and shape	L		EN 10		
	Nominal thic	kness (mm)	Values	(MPa)	
	>	≤	mi		
		16	23	5	
Viald atnounds	16	40	22	5	
Yield strength	40	63	21	5	
l t	63	80	21	5	
	80	100	21		
	100	140	19		_
	Nominal thic	` ,	Values	• •	
	>	≤	min	max	
Tensile strength	=3	100	360	510	
- Terisile strength	100	140	350	500	
_					
					Ⅎ
	Nominal thickness (mm)		Value		EN 10025-1:2004
	>	≤	min		
Elongation	=3	40	26		
	40	63	25		
-	63	100	24		_
	100	140	22	2	
	Nominal thic	kness (mm)	Value	es (J)	
Impact strength	>	≤	mi	in	
		140	27 / -2	20°C	
	Nominal thic	kness (mm)	Value	s (%)	
_	>	≤	ma		
Weldability		30	0,3		
	30	40	0,3		
	40	140	0,3	38	
Durability	Nominal thic	kness (mm)	Values (%)		$\dashv$
(Chemical		≤	min	max	=
composition)	>	140		C:0,17	
		1.40		Mn: 1,40 P: 0,030 Cu: 0,55 S: 0,030	



No AMOL-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

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 20212 - Olaberria (Guipúzcoa) Spain T +34 943 805 000
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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. 0086 BSI 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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José María Galindo Quality Manager

Hames

Date: 1.12.2021



Tolerances on dimensions and shape	specification
Values (MPa)   Values (MPa)	
Nominal thickness (mm)   Values (MPa)	
Yield strength     ≤     min       16     275       16     40     265       40     63     255       63     80     245       80     100     235       100     140     225       Nominal thickness (mm)     Values (MPa)       >     ≤     min     max       =3     100     410     560	
Tensile strength         16         275           16         40         265           40         63         255           63         80         245           80         100         235           100         140         225           Values (MPa)           >         \$\frac{\text{min}}{2}\$         \text{min}{\text{min}}\$           Tensile strength         \$\frac{\text{min}}{2}\$         \text{min}{2}\$           \$\frac{\text{min}}{2}\$         \$\frac{\text{min}}{2}\$           \$\frac{\text{min}}{2}\$         \$\frac{\text{min}}{2}\$           \$\frac{\text{min}}{2}\$         \$\frac{\text{min}}{2}\$	
Yield strength     16     275       16     40     265       40     63     255       63     80     245       80     100     235       100     140     225       Nominal thickness (mm)     Values (MPa)       >     ≤     min     max       =3     100     410     560	
Vield strength     40     63     255       63     80     245       80     100     235       100     140     225       Nominal thickness (mm)     Values (MPa)       >     ≤     min     max       =3     100     410     560	
40   63   255	
63   80   245	
100	
100	
Nominal thickness (mm)   Values (MPa)	
> ≤ min max =3 100 410 560	
Toneile strength =3 100 410 560	
Tancila etranath	
100 140 400 540	
<u> </u>	
Nominal thickness (mm) Values (%)	N 10025-1:2004
> ≤ min	
Elongation =3 40 23	
40 63 22	
63 100 21	
100 140 19	
Nominal thickness (mm) Values (J)	
Impact strength > ≤ min	
140 27 / 20°C	
Nominal thickness (mm) Values (%)	
> <u>\$</u> max	
Weldability         30         0,40           30         40         0,40	
30 40 0,40 40 140 0,42	
40 140 0,72	
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	
S: 0,040 N: 0,012	



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

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

According EN 10025-2

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To be used in welded, bolted and riveted structures

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 20212 - Olaberria (Guipúzcoa) Spain T +34 943 805 000
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System of assessment and verification of constancy of performance of the product:

System 2+

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José María Galindo Quality Manager

Transco

Date: 1.12.2021



Essential characteristic			Performance		Harmonised technical specification
	1/	Н	EN 1	0034	
	IP	N	EN 1	0024	
Tolerances on dimensions and shape	L	J	EN 1	0279	
	Nominal thic	kness (mm)	Values	(MPa)	_
	>	≤	m	in	
		16	27	75	
L	16	40	26	65	
Yield strength	40	63	25	55	
	63	80	24		
	80	100	23		
	100	140	22		
	Nominal thic		Values		
<u> </u>	>	≤	min	max	
Tensile strength	=3	100	410	560	
-	100	140	400	540	
	Nominal thickness (mm)		Value	s (%)	EN 10025-1:2004
	>	≤	min		
Elongation	=3	40	2		
Liongation	40	63	22		
<u> </u>	63	100	21		
_	100	140	1	9	
Income at a town with	Nominal thic	kness (mm)	Value	es (J)	
Impact strength	>	≤	m		
		140	27 /	0°C	
_	Nominal thic	` '	Value	• •	
 	>	≤	ma		_
Weldability	20	30	0,4		_
-	30 40	40 140	0,4		
-	40	140	0,-	+2	
Durability	Nominal thic	kness (mm)	Values (%)		
(Chemical	>	≤	min	max	
composition)		140		C: 0,18	
				Mn : 1,50	
				P: 0,035	
				Cu: 0,55	
				S: 0,035 N: 0,012	
		1 1			1



No AMOL-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

 ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Olaberria
 Carretera Madrid - Irún, Km. 417
 20212 - Olaberria (Guipúzcoa) Spain T +34 943 805 000
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System of assessment and verification of constancy of performance of the product:

System 2+

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José María Galindo Quality Manager

Tigatiss

Date: 1.12.2021



Essential characteristic			Performance		Harmonised technical specification
	1/	Н	EN 10034		
l t	IP	N	EN 10	0024	
Tolerances on dimensions and shape	L		EN 10279		
	Nominal thic	kness (mm)	Values	(MPa)	+
l t	>	≤	mii	n	
		16	27:	5	
l	16	40	26	5	
Yield strength	40	63	25	5	
l t	63	80	24		
l t	80	100	23	5	
l t	100	140	22	5	<b>_</b>
<u> </u>	Nominal thic	1 1	Values		
	>	≤	min	max	
Tensile strength	=3	100	410	560	
	100	140	400	540	
	Nominal thickness (mm)		Values (%)		EN 10025-1:2004
ĺ	>	≤	min		
Elongation	=3	40	23		
Liongation	40	63	22		
	63	100	21		
 	100	140	19	)	
	Nominal thic	kness (mm)	Value	s (J)	
Impact strength	>	≤	mii		
		140	27 / -2	20°C	
  -	Nominal thic	` '	Values	• •	
Waldahilit	>	≤	ma 0.4		$\dashv$
Weldability	30	30 40	0,4 0,4		_
<del> </del>	40	140			
l t	40	140	0,42		
Durability	Nominal thic	kness (mm)	Values (%)		
(Chemical	>	≤	min	max	
composition)		140	1	C: 0,18 Mn: 1,50 P: 0,030 Cu: 0,55 S: 0,030	



No AMOL-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

 ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Olaberria
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 20212 - Olaberria (Guipúzcoa) Spain T +34 943 805 000
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System of assessment and verification of constancy of performance of the product:

System 2+

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José María Galindo Quality Manager

HGalludo.

Date: 1.12.2021



Essential characteristic		Perform	ance	Harmonised technical specification	
T	I/H		EN 10034		· ·
	IP	N	EN 10	024	
Tolerances on dimensions and shape	L	J	EN 10.	279	
	Nominal thic	kness (mm)	Values (	MPa)	$\dashv$
F	>	≤	mir	1	
		16	355	;	
-	16	40	345		
Yield strength	40	63	335		
-	63	80	325		
	80	100	315		⊣
	100	140	295		$\dashv$
<u> </u>	100	140	200	,	
	Nominal thic	kness (mm)	Values (	MPa)	
	>	≤	min	max	
Tensile strength	=3	100	470	630	
rensile strength	100	140	450	600	
-					
	Nominal thic	kness (mm)	Values	(%)	EN 10025-1:2004
	>	≤	min		
Elongation	=3	40	22		
	40	63	21		
-	63	100 140	20		
	100	140	18		-
Impact strongth	Nominal thic	kness (mm)	Values (J)		
Impact strength	>	≤	mir		
		140	27 / 20	)°C	
	Nominal thic	kness (mm)	Values (%)		
	>	≤	max		
Weldability		30	0,45		
_	30	40	0,47		
-	40	140	0,47		
Durability	Nominal thic	kness (mm)	Values (%)		$\exists$
(Chemical	>	≤	min	max	$\dashv$
composition)	-	140		: 0,24	┪
·		· ]		Si : 0,55	1
				In: 1,60	
				9: 0,040	
				Cu : 0,55	
				5:0,040	
			N	l: 0,012	



No AMOL-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

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System 2+

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José María Galindo Quality Manager

HGUILLO .

Date: 1.12.2021



Essential characteristic			Perform	mance	Harmonised technical specification
	1/	Н	EN 10	0034	+ -
	IP	N	EN 10		
Tolerances on dimensions and shape	L	J	EN 10279		
	Nominal thic	kness (mm)	Values	(MPa)	
	>	≤	mi	in	
		16	35		
l	16	40	34		
Yield strength	40	63	33		=
	63	80	32		
[	80	100	31		⊣
	100	140	29		=
	Nominal thic	kness (mm)	Values	(MPa)	
	>	≤	min	max	
Tensile strength	=3	100	470	630	
- Chone ou ongui	100	140	450	600	
	Nominal thickness (mm)		Value	s (%)	EN 10025-1:2004
	>	≤	min		
Florestion	=3	40	22		
Elongation	40	63	21		
_	63	100	20		
	100	140	18		
	Nominal thic	kness (mm)	Value	es (J)	
Impact strength	>	≤	mi	in	
		140	27 /	0°C	
[	Nominal thic	` '	Value	• •	
	>	≤	ma		
Weldability		30	0,4		
-	30 40	40 140	0,4		
	40	140	0,47		-
Durability	Nominal thic	kness (mm)	Values (%)		
(Chemical	>	≤	min	max	⊣
composition)	•	140		C: 0,20-0,22	
				Si: 0,55	
				Mn : 1,60	
				P: 0,035	
1				Cu: 0,55 S: 0,035	
1				N: 0,012	
				3,0 .2	



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

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

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:

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José María Galindo Quality Manager

HGallido.

Date: 1.12.2021



Essential characteristic			mance	technical specification
1/	Н	EN 1	0034	<del>-</del>
IP	N			
L	J	EN 10279		
Nominal thic	kness (mm)	Values	(MPa)	
>	≤	m	in	
	16	35	55	
16	40	34	45	
	_			
				┪
	140			$\dashv$
Nominal thic				
>	≤	min	max	
100	140	450	600	
Nominal thickness (mm)		Value	es (%)	EN 10025-1:2004
>	≤	min		
				_
100	140	·	0	_
Nominal thic	kness (mm)	Value	es (J)	
>	≤			
	140	27 / -	20°C	
Nominal thic	kness (mm)	Value	es (%)	
>	≤			_
40	140	U,	47	_
Nominal thic	kness (mm)	Values (%)		
	<	min	max	⊣
	140		C: 0,20-0,22	_
			Si: 0,55	
			Mn : 1,60	
			Cu: 0,55	
			S: 0,030 P: 0,030	
	IP   U   U   U   U   U   U   U   U   U	16	IPN	Nominal thickness (mm)



No AMOL-2/10-CPR-13-1

1) Code of the product type: \$355K2

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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José María Galindo Quality Manager

HGaludo

Date: 1.12.2021



Essential characteristic			Perforr	nance	Harmonised technical specification
	1/	Н	EN 10034		-
	IP		EN 10		
Tolerances on dimensions and shape	Ĺ	J	EN 10	0279	
	Nominal thic	kness (mm)	Values	(MPa)	_
	>	≤	mi	n	
		16	35	5	
Ī	16	40	34	5	
Yield strength	40	63	33		
 	63	80	32		
	80	100	31		
<u> </u>	100	140	29		-
<b> </b>	100	1-10			
	Nominal thic	` ,	Values	• •	
	>	≤	min	max	
Tensile strength	=3	100	470	630	
renone ourongui	100	140	450	600	
-					
	Nominal thickness (mm)		Value	s (%)	EN 10025-1:2004
l L	>	≤	min		
Elongation	=3	40	22		
- 5	40	63	21		
-	63 100	100 140	20 18		
	100	140	10	)	
	Nominal thic	kness (mm)	Value	s (J)	
Impact strength	>	≤	mi	n	
		140	40 / -2	20°C	
	Nominal thic	kness (mm)	Value	s (%)	
l L	>	≤	ma		
Weldability		30	0,4		
	30	40	0,4		
	40	140	0,47		
Durability	Nominal thic	kness (mm)	Values (%)		
(Chemical	>	≤	min	max	-
composition)		140		C: 0,20-0,22	
. ,				Si : 0,55 Mn : 1,60 Cu : 0,55	
				S: 0,030 P: 0,030	



No AMOL-5/01-CPR-13-1

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

 ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Olaberria
 Carretera Madrid - Irún, Km. 417
 20212 - Olaberria (Guipúzcoa) Spain T +34 943 805 000
 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0086 BSI 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:

José María Galindo Quality Manager

HGUILLO .

Date: 1.12.2021



Essential characteristic		Pe	rformance	Harmonised technical specification	
	1/1	Η	F	EN 10034	
	IPI			N 10024	1
Tolerances on dimensions and shape	U		E	EN 10279	
	Nominal thic	kness (mm)	Va	lues (MPa)	
	>	≤		min	
		16		355	
Viold otropoth	16	40		345	
Yield strength	40	63		335	
	Nominal thic	kness (mm)	Va	lues (MPa)	
	>	≤	min	max	
Tanaila atraneth	=3	40	470	630	
Tensile strength	40	63	470	630	
					_
	Nominal thic	Nominal thickness (mm)		alues (%)	EN 10025-1:2004
	-	` '	min		EN 10025-1:2004
	> =3	≤ 40		22	4
Elongation	40	63	21		
					_
Impact strength	Nominal thic	kness (mm)	v	/alues (J)	
	>	≤		min	4
		63	<del> </del>	27 / 0°C	4
	Nominal thic		V	alues (%)	
l	>	≤	<del>                                     </del>	max	4
Weldability	40	16		0,52	-1
	16	63		0,52	
Durability	Nominal thic	kness (mm)	Values (%)		_
(Chemical			max	4	
composition)	>	≤ 63	Mn : 0,50	C: 0,16 Cr: 0,80	1
co.npoomon)		03	Mn : 0,50 Cu : 0,25	Si: 0,50	1
			Cu: 0,25 Cr: 0,40	Si: 0,50 P: 0,040	1
			Oi . 0,40	S: 0,040	
				N : 0,012	
				Mn : 1,50	
				Cu: 0,55	



No AMOL-5/02-CPR-13-1

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

 ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Olaberria
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 20212 - Olaberria (Guipúzcoa) Spain T +34 943 805 000
 sections.arcelormittal.com

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

System 2+

Notified factory production control certification body No. 0086 BSI 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:

José María Galindo Quality Manager

HGalludo.

Date: 1.12.2021



Essential characteristic			Pe	erformance	Harmonised technical specification
	1/	Н		EN 10034	<u> </u>
Ī	IP	N		EN 10024	
Tolerances on dimensions and shape	U			EN 10279	
	Nominal thic	kness (mm)	Va	ilues (MPa)	
	>	≤		min	
		16		355	
M. 1.1	16	40		345	
Yield strength	40	63		335	
	Nominal thic	kness (mm)	Va	ilues (MPa)	-
	>	≤	min	max	
Tensile strength	=3	40	470	630	
rensile strength	40	63	470	630	╡
	Nominal thickness (mm)		Values (%)		EN 10025-1:2004
	>	≤	min		
Elongation	=3 40	40 63		22 21	
Impact strength	Nominal thic	kness (mm)	\	/alues (J)	
paot otrongtii	>	≤		min	_
		63		27 / -20°C	4
-	Nominal thic	kness (mm)	V	/alues (%)	_
Weldability	,	16		0,52	-
Troluability	16	63		0,52	$\dashv$
-	10	03		0,32	
Durability	Nominal thic	kness (mm)	Values (%)		7
(Chemical	>	≤	min	max	
composition)		63	Mn: 0,50 Cu: 0,25 Cr: 0,40	C: 0,16 Si: 0,50 P: 0,035 S: 0,035 Mn: 1,50	
				Cu: 0,55 Cr: 0,80	