

(According to Regulation EU No.305/2011)

Doc No. CELSAUK-003

Hot rolled structural steel products S235J0 according to EN 10025-2:2019

Intended use: To be used in fabricated, bolted and riveted structures.

> Manufacturer: Celsa Manufacturing UK LTD Building 58, Castle Works East Moors Road, Cardiff CF24 5NN United Kingdom Website: www.celsauk.com Tel: 029 2035 1800

Notified Body: AENOR INTERNACIONAL, S.A. (Unipersonal) Génova, 6 E-28004 MADRID Spain Notified body No. 0099 Tel: +34 91 432 60 08 Email: certificacion@aenor.com Website: www.aenor.com

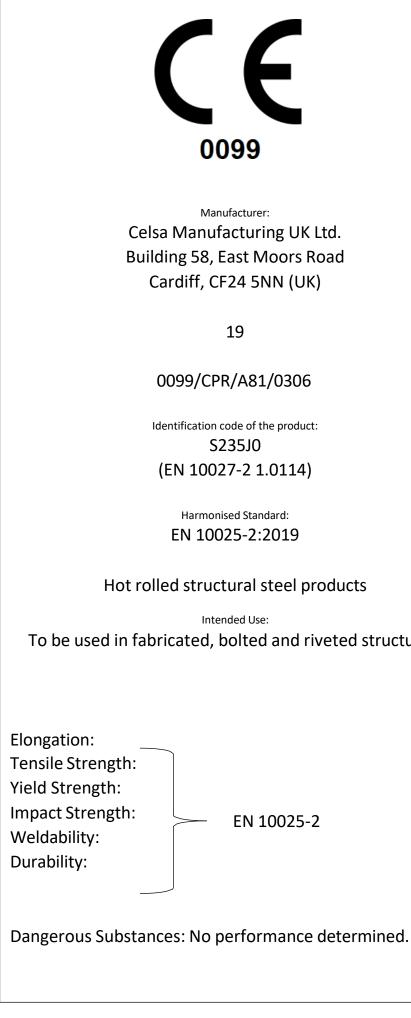
System of assessment and verification of constancy of performance of the product: System 2+ FPC Certificate No. 0099/CPR/A81/0306

The performance of the product identified is in conformity with the set of declared performance/s. This declaration of performance is issued in accordance under the sole responsibility of the Manufacturer indicated above.

Signed for and on behalf of the manufacturer:

Marc Griffiths Date: 16/09/2022 Quality Manager, Celsa Manufacturing UK Ltd. Cardiff.

Essential Characteristics		Harmonised technical specification						
Dimensional	EN 10056-1	& 2	Equal and Unequal Angles					
and shape tolerances	EN 10058		Flats					
	EN 10060 EN 10279		Round Ba Channels					
51			channels	,				
Elongation (%)	Nomina Thicknes		Flor	ngatior	n (%)			
	(mm)	55	LIGI	igution	1 (70)			
	≤40			26				
Tensile	Nomina	al						
Strength	Thickne		Tensile	Streng	th (MPa)			
(MPa)	(mm)							
	≤100		36	60 to 5	10			
Yield Strength	Nomina	al						
(MPa)	Thickne		Yield St	trengtl	n (MPa)			
	(mm)							
	≤16			235				
	>16≤40)	225					
Impact	Nominal	Tem	perature	Impact				
Strength (J)	Thickness		(∘C)	Stre	ength (J)			
	(mm)					019		
	≤150		0	0 27		EN 10025-2:2019		
						025		
Weldability (Chemical	Nomina		CEV% Max 0.35			N 10		
composition)	Thicknes (mm)	SS				Ξ		
	≤30							
	>30≤40)	0.35					
Durability	Nomina	al	Values					
(Chemical	Thickne		Max (%)					
composition)	(mm)							
	≤16	ŀ	<u>C</u>		0.19			
		ŀ	Si					
		ŀ	Mn P		1.50 0.040			
	>16≤40		S		0.040			
			<u>N</u>		0.014			
			Cu		0.60			
			C		0.19			
					Si			
					Mn		1.50	
			Р		0.040			
			S		0.040			
				N 0.014				
			Cu		0.60			



Celsa Manufacturing UK Ltd. Building 58, East Moors Road Cardiff, CF24 5NN (UK)

0099/CPR/A81/0306

Identification code of the product:

Hot rolled structural steel products

To be used in fabricated, bolted and riveted structures.



(According to Regulation EU No.305/2011)

Doc No. CELSAUK-003

Hot rolled structural steel products S235JR according to EN 10025-2:2019

Intended use: To be used in fabricated, bolted and riveted structures.

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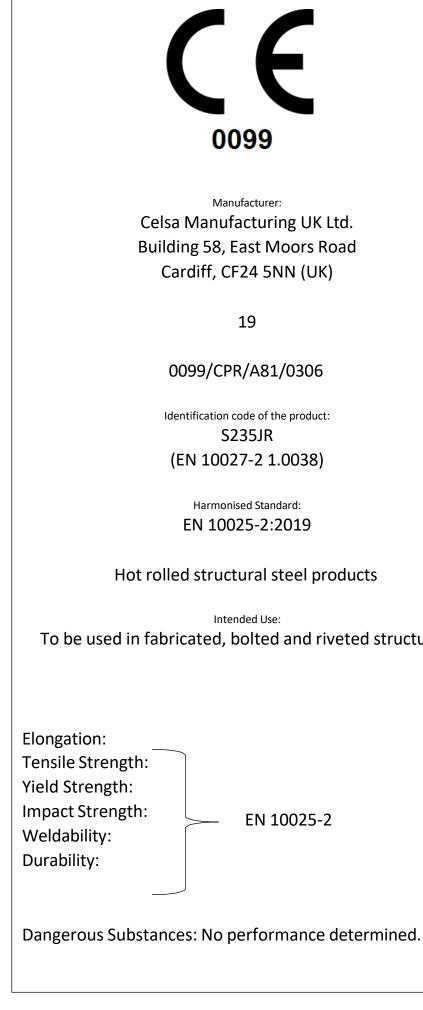
System of assessment and verification of constancy of performance of the product: System 2+ FPC Certificate No. 0099/CPR/A81/0306

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Marc Griffiths Date: 16/09/2022 Quality Manager, Celsa Manufacturing UK Ltd. Cardiff.

Essential Characteristics		Harmonised technical specification						
Dimensional	EN 10056-1	& 2	Equal and Unequal Angles					
and shape tolerances	EN 10058		Flats					
	EN 10060 EN 10279		Round Ba Channels					
Florentian (94)				-				
Elongation (%)	Nomina Thicknes (mm)		Elor	ngatior	n (%)			
	≤40			26				
Tensile Strength (MPa)	Nominal Thickness (mm) ≤100		Tensile Strength (MPa) 360 to 510					
Yield Strength (MPa)	Nominal Thickness (mm)		Yield S		n (MPa)			
	≤16			235				
	>16≤40)	225					
Impact Strength (J)	Nominal Tem Thickness (mm)		oerature (°C)		mpact ength (J)	EN 10025-2:2019		
	≤150		20	27				
Weldability (Chemical composition)	Nomina Thicknes (mm)		CEV% Max			EN 100		
	≤30		0.35					
	>30≤40)	0.35					
Durability (Chemical composition)	Nomina Thicknes (mm)		Values Max (%)					
	≤16	_	С		0.19			
		_	Si					
		-	Mn		1.50			
		_	P		0.045			
	>16≤40		S		0.045			
			N Cu >16≤40 C			0.014		
						0.00		
			Si					
			Mn		1.50			
			P				0.045	
			S		0.045			
			Ν					
			-	Cu 0.60				



Celsa Manufacturing UK Ltd. Building 58, East Moors Road Cardiff, CF24 5NN (UK)

0099/CPR/A81/0306

Identification code of the product:

Hot rolled structural steel products

To be used in fabricated, bolted and riveted structures.



(According to Regulation EU No.305/2011)

Doc No. CELSAUK-003

Hot rolled structural steel products S275J0 according to EN 10025-2:2019

Intended use: To be used in fabricated, bolted and riveted structures.

> Manufacturer: Celsa Manufacturing UK LTD Building 58, Castle Works East Moors Road, Cardiff CF24 5NN United Kingdom Website: www.celsauk.com Tel: 029 2035 1800

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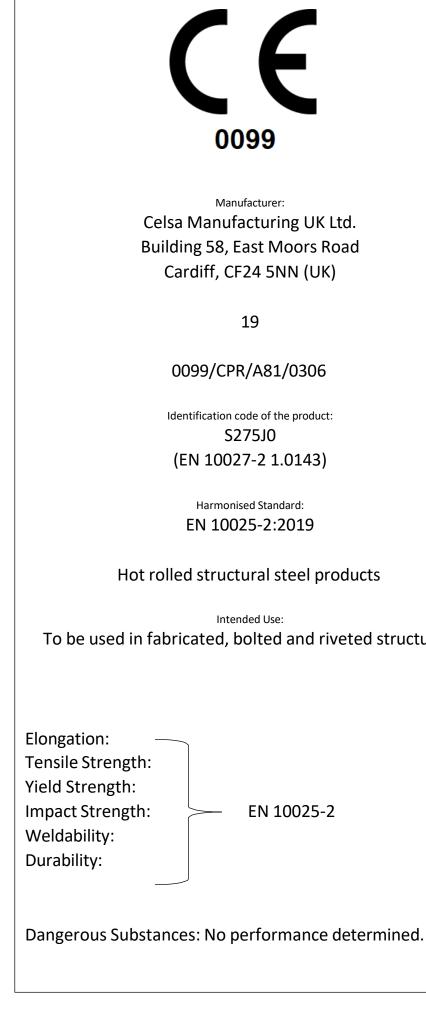
System of assessment and verification of constancy of performance of the product: System 2+ FPC Certificate No. 0099/CPR/A81/0306

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Essential Characteristics		Harmonised technical specification					
Dimensional	EN 10056-1	& 2	Equal and Unequal Angles				
and shape tolerances	EN 10058		Flats				
	EN 10060 EN 10279		Round B				
			channels)			
Elongation (%)	Nomina Thicknes		Flor	ngatior	- (9/)		
	(mm)	55	EIUI	igatioi	1 (70)		
	<u>(</u> , ≤40			23			
Tensile	Nomina						
Strength	Thickne		Tensile	Streng	th (MPa)		
(MPa)	(mm)			Ũ	. ,		
	≤100		4:	10 to 5	60		
Yield Strength	Nomina	al					
(MPa)	Thicknes		Yield S	trengtl	n (MPa)		
	(mm)						
	≤16			275			
	>16≤40)	265				
Impact	Nominal		perature	ure Impact			
Strength (J)	Thickness		(∘C)	Str	ength (J)		
	(mm)					019	
	≤150		0	27		EN 10025-2:2019	
						0025	
Weldability (Chemical	Nomina Thicknes		CEV% Max 0.40			N 10	
composition)	(mm)	55				Ш	
	≤30						
	>30≤40)					
Durability	Nomina	al		Values	5		
(Chemical	Thicknes		I	Max (%			
composition)	(mm)				0.21		
	≤16	ŀ	C Si		0.21		
		F	ی Mn		1.60		
		-	P		0.040		
		F	S		0.040		
	>16≤40		N Cu			0.014	
						0.60	
						0.21	
					Si		
			Mn		1.60		
			P		0.040		
			S		0.040		
				N 0.014			
			Cu		0.60		



Celsa Manufacturing UK Ltd. Building 58, East Moors Road Cardiff, CF24 5NN (UK)

0099/CPR/A81/0306

Identification code of the product:

Hot rolled structural steel products

To be used in fabricated, bolted and riveted structures.



(According to Regulation EU No.305/2011)

Doc No. CELSAUK-003

Hot rolled structural steel products S275JR according to EN 10025-2:2019

Intended use: To be used in fabricated, bolted and riveted structures.

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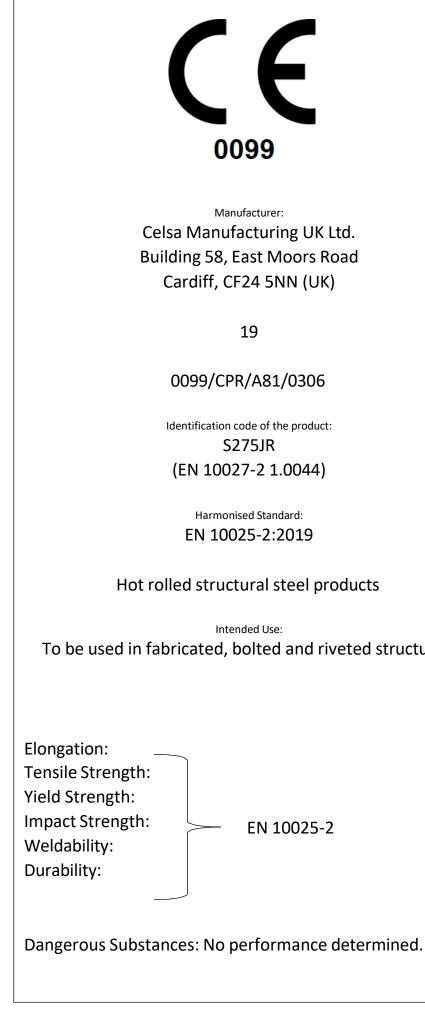
System of assessment and verification of constancy of performance of the product: System 2+ FPC Certificate No. 0099/CPR/A81/0306

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Essential Characteristics		Harmonised technical specification					
Dimensional and shape tolerances	EN 10056-1 EN 10058	& 2	Equal and Unequal Angles Flats				
tolerunces	EN 10060 EN 10279		Round B Channels				
Elongation (%)	Nominal Thickness (mm)		Elongation (%)				
	≤40			23			
Tensile Strength (MPa)	Nominal Thickness (mm) ≤100		Tensile Strength (MPa) 410 to 560				
Yield Strength (MPa)	Nominal Thickness (mm)		Yield S		n (MPa)		
	≤16 >16≤40	,	275				
		_	265				
Impact Strength (J)	Nominal Ten Thickness (mm)		perature (∘C)		mpact ength (J)	19	
	≤150		20	27		EN 10025-2:2019	
Weldability (Chemical composition)	Nomina Thicknes (mm)		CEV% Max			EN 100	
	≤30 >30≤40)	0.40				
Durability (Chemical composition)	Nomina Thicknes (mm)	al	Values Max (%)				
	≤16		С		0.24		
		_	Si				
		-	Mn		1.60		
		-	P		0.045		
	>16≤40		S N		0.045 0.014		
			Cu			0.60	
						0.24	
			5i				
			Mn			1.60	
			Р		0.045		
			S		0.045		
			N	0.014			
			Cu		0.60		



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Identification code of the product:

Hot rolled structural steel products

To be used in fabricated, bolted and riveted structures.



(According to Regulation EU No.305/2011)

Doc No. CELSAUK-003

Hot rolled structural steel products S355J0 according to EN 10025-2:2019

Intended use: To be used in fabricated, bolted and riveted structures.

> Manufacturer: Celsa Manufacturing UK LTD Building 58, Castle Works East Moors Road, Cardiff CF24 5NN United Kingdom Website: www.celsauk.com Tel: 029 2035 1800

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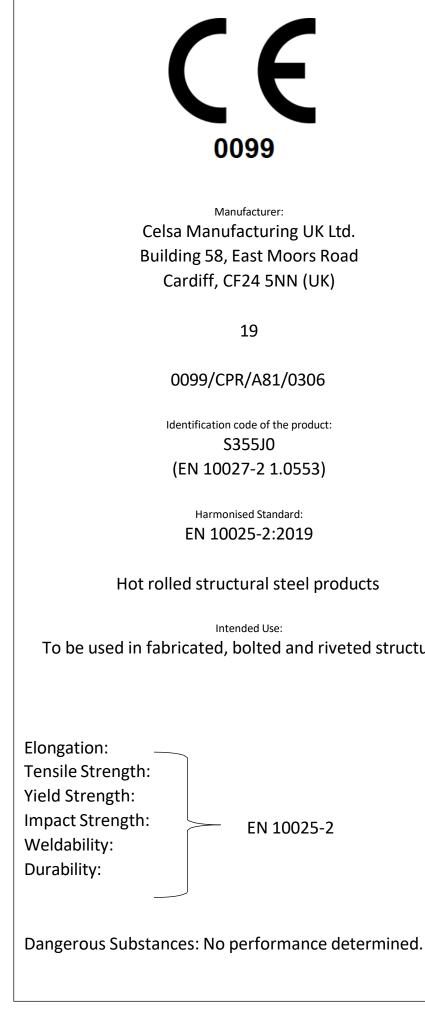
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Essential Characteristics		Harmonised technical specification					
Dimensional and shape	EN 10056-1 EN 10058	& 2	Equal and Unequal Angles Flats				
tolerances	EN 10060		Round B	ars			
	EN 10279		Channels	5			
Elongation (%)	Nominal Thickness (mm)		Elongation (%)				
	≤40			22			
Tensile Strength (MPa)	Nominal Thickness (mm) ≤100		Tensile Strength (MPa) 470 to 630				
Yield Strength (MPa)	Nominal Thickness (mm)		Yield S		n (MPa)		
	≤16 × 16 < 46	<u> </u>		355			
	>16≤40)	345				
Impact Strength (J)	Nominal Tem Thickness (mm)		perature (∘C)		mpact ength (J)	EN 10025-2:2019	
	≤150		0	27			
Weldability (Chemical composition)	Nomina Thicknes (mm)		CEV% Max			EN 100	
	≤30 >30≤40)	0.45				
Durahilitu							
Durability (Chemical composition)	Nomina Thicknes (mm)		Values Max (%)				
	≤16	_	C		0.23		
		_	Si		0.60		
		ŀ	Mn		1.70		
		-	P		0.040		
	>16≤40		S		0.040 0.014		
			N Cu >16≤40 C Si			0.60	
						0.23	
						0.60	
			Mn		1.70		
			Р		0.040		
			S		0.040		
			N		0.014		
			Cu		0.60		



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(According to Regulation EU No.305/2011)

Doc No. CELSAUK-003

Hot rolled structural steel products S355JR according to EN 10025-2:2019

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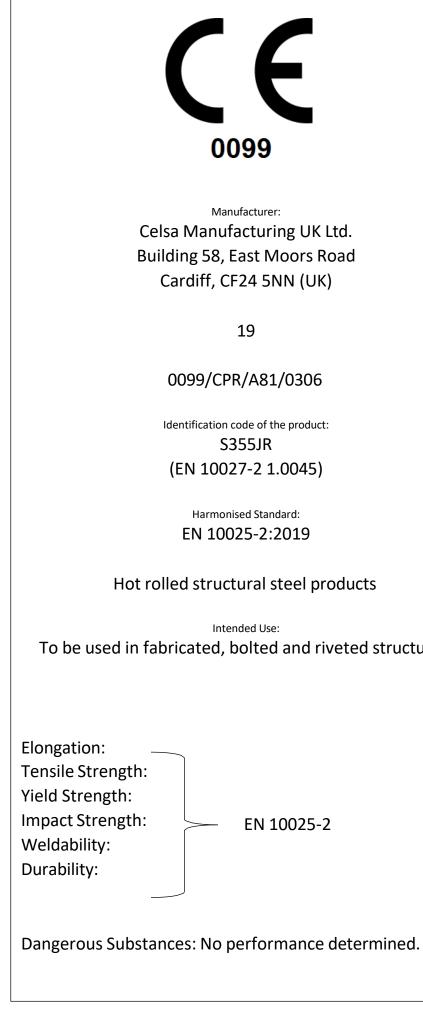
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Essential Characteristics		Harmonised technical specification						
Dimensional	EN 10056-1	& 2	Equal and Unequal Angles					
and shape tolerances	EN 10058		Flats					
	EN 10060 EN 10279		Round B Channels					
			channel	,				
Elongation (%)	Nomina Thicknes		Elor	ngatior	n (%)			
	(mm)			-				
	≤40			22				
Tensile Strength (MPa)	Nominal Thickness (mm)		Tensile Strength (MPa)					
	≤100		47	70 to 6	30			
Yield Strength (MPa)	Nominal Thickness (mm)		Yield S	trengtl	n (MPa)			
	≤16			355				
	>16≤40)	345					
Impact Strength (J)	Nominal Tem Thickness (mm)		perature (°C)		mpact ength (J)	19		
	≤150		20	27		EN 10025-2:2019		
Weldability (Chemical composition)	Nomina Thicknes (mm)		CEV% Max			EN 100		
	≤30		0.45					
	>30≤40)	0.47					
Durability (Chemical composition)	Nomina Thicknes (mm)		Values Max (%)					
	≤16		C		0.27			
		-	Si		0.60			
		-	Mn		1.70			
		F	P		0.045			
	>16≤40				S N		0.045 0.014	
			Cu		0.60			
						0.00		
						0.60		
						1.70		
						0.045		
			S		0.045			
			Ν	N 0.014				
			Cu		0.60			



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Hot rolled structural steel products

To be used in fabricated, bolted and riveted structures.



(According to Regulation EU No.305/2011)

Doc No. CELSAUK-003

Hot rolled structural steel products S355J2 according to EN 10025-2:2019

Intended use: To be used in fabricated, bolted and riveted structures.

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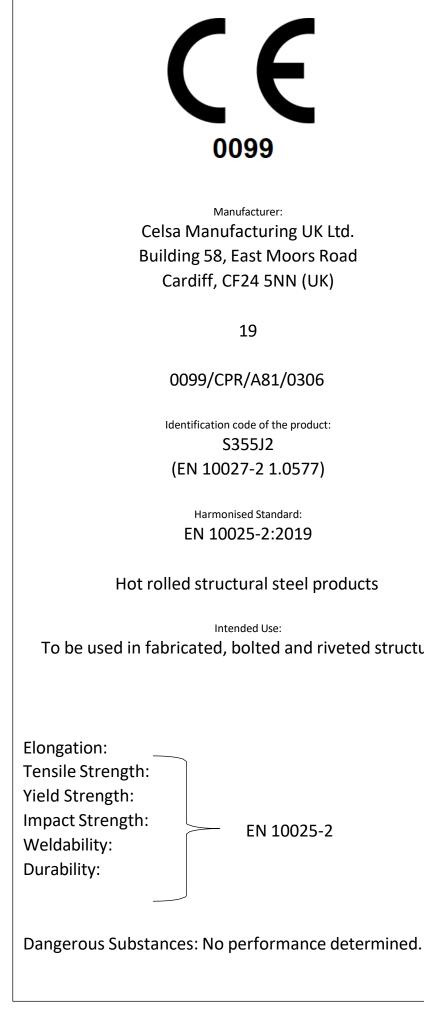
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Essential Characteristics		Harmonised technical specification						
Dimensional and shape	EN 10056-1 EN 10058	& 2	Equal and Unequal Angles Flats					
tolerances	EN 10060		Round B	ars				
	EN 10279		Channels	5				
Elongation (%)	Nominal Thickness (mm)		Elongation (%)					
	≤40			22				
Tensile Strength (MPa)	Nominal Thickness (mm) ≤100		Tensile Strength (MPa) 470 to 630					
Yield Strength (MPa)	Nominal Thickness		Yield S	trengtl	n (MPa)			
	(mm) ≤16			355				
	>16≤40)	345					
Impact Strength (J)	Nominal Tem Thickness (mm)		perature (∘C)		mpact ength (J)	6		
	≤150		-20		27	EN 10025-2:2019		
Weldability (Chemical composition)	Nomina Thicknes (mm)		CEV% Max			EN 100		
	≤30 >30≤40)	0.45					
Durability	Nomina		0.47 Values					
(Chemical composition)	Thicknes (mm)		Max (%)					
	≤16	-	C		0.23			
		-	Si		0.60			
		F	Mn P		1.70 0.035			
		-	S		0.035			
	>16≤40		N					
			Cu			0.60		
					С		0.23	
			Si Mn		0.60			
					1.70			
			Р			0.035		
			S		0.035			
			N Cu		0.60			
			Cu		0.00			



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