

MAKSTIL16 Makedonska Brigada 18,
1000 Skopje,
Republic of North Macedonia
www.makstil.comCustomer : DUFERCO S.A.
Customer's order no. : SO4201009981

Order No. / Lot No. : / 6452

Manufacturer's symbol : ŽSK

Delivered conditions : NR - normalizing rolling

INSPECTION CERTIFICATE No. 712099 6452 001According to EN 10204 / 2004 : 3.1
Issued in electronic form

EN 10025-2:2019

Technical delivery conditions : EN 10029:2010 cl.A cl.N

EN 10163-1-2:2004 cl.A/2

FM ML.03.40

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Issued : 07.12.2020

HOT ROLLED STEEL PLATES								CHEMICAL COMPOSITION																		
Heat No.	Steel grade	Item no.	Pieces	Dimensions (mm)			Weight (kg)	C 10 ⁻² %	Si 10 ⁻² %	Mn 10 ⁻² %	P 10 ⁻³ %	S 10 ⁻³ %	Al 10 ⁻³ %	N 10 ⁻³ %	Cr 10 ⁻² %	Cu 10 ⁻² %	Ni 10 ⁻² %	Ti 10 ⁻³ %	V 10 ⁻³ %	Nb 10 ⁻³ %	Mo 10 ⁻³ %	B 10 ⁻⁴ %	Ca 10 ⁻⁴ %	CEV 10 ⁻² %		
				Thickness	Width	Length																				
484615	S355J2+N	1	3	5.00	2000	12000	15	21	123	16	5	40	7	13	28	9	1	1	1	1	1				41	
484852	"	1	2	5.00	2000	12000	18	26	105	14	5	42	8	12	29	10	1	1	1	1	1				41	
484730	"	3	1	6.00	2000	12000	16	24	108	13	6	30	8	12	28	12	1	1	1	1	1				39	
484776	"	3	3	6.00	2000	12000	17	31	116	12	7	45	8	13	26	10	1	1	1	1	1				42	
484800	"	3	1	6.00	2000	12000	15	24	123	15	5	49	7	9	30	10	1	1	1	1	1				40	

Total : 10

10360

MANUFACTURING PROCESS: EAF

PRODUCT IDENTIFICATION				TENSILE TEST					IMPACT TEST						SUPPLEMENTARY REQUIREMENTS							
Heat No.	Plate No.	Plate No.	Test No.	Length ²⁾	Direction ¹⁾	Reh N/mm ²	Rm N/mm ²	A %	Direction ¹⁾	Type	Individual values			Mean value J	At °C	Width of tests piece	Direction ¹⁾					
											1	2	3									
484615	57109-01	57111-01	57109	1	T	393	529	30.3														
"	57111-02																					
484852	56234-01	56234-02	56142	1	T	400	555	29.4														
484730	57118-02		57118	1	T	415	535	29.2	L	ISO-V	49	38	45	44	-20	10X6.0						
484776	56275-01	56277-01	56262	1	T	397	545	28.8	L	ISO-V	50	49	51	50	-20	10X6.0						
"	56322-01																					
484800	57117-01		57117	1	T	383	539	29.2	L	ISO-V	35	52	44	44	-20	10X6.0						

Bend test : CS1

Ultra-sonic test : D02

Visual and dimensional inspection : without objection
We hereby certify, that the delivered material complies with the terms of the order. Z01

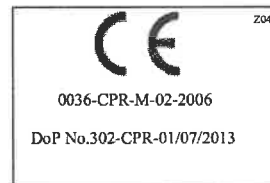
1) Direction of the test piece : L - longitudinal; T - transverse; Z - in the thickness direction

2) Location of the test sample : 1 - top; 2 - bottom

Die-stamp marking :

Makstil's symbol / Grade / Heat No. / Plate No./CS mark

MAKSTIL AD - Skopje, ISO 9001:2015 CERTIFIED BY BSI, CERTIFICATE No. FM 55589



Q.D. 'MAKSTIL' A.D

QM.dip.eng I.BOGESKI



RZ TECHNICAL CONTROL A.D. - SKOPJE

tech.manager dipl.Eng.Š.Ugrinovska

Z02



Laboratory RZ TECHNICAL CONTROL AD - Skopje, ISO 9001:2015 CERTIFIED BY LRQA, CERTIFICATE IDENTITY No. 10079523

Toto je kópia dokumentu kontroly poskytnutá výrobcom. Patrí k zákazke číslo 626663 a tavbe číslo 484852. Postupy použité v systéme manažmentu kvality FERONA Slovakia, a.s. zaručujú spojitost medzi originálom tohto dokumentu a dodaným výrobkom.

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