

CERTIFIED MATERIAL REPORT

CMR No. : OB2811352328

Date of Issue 2013/02/28

Customer	Finlex International Ltd		
Trade Name	Supercored 71MAG	Size	1.6 mm * 15 kg
Lot No.	MF3320B80	Purchaser's Order No.	-
Applicable Specification	AWS A5.20 E71T-1M/-9M Equivalent to EN ISO 17632-A T 42 2 P M 1 * According to EN10204 3.1 : 2004		
Welding Current	DCEP	Shielding Gas	80%Ar+ 20%CO ₂
		Post Weld Heat Treatment (°C × hr.)	AS WELDED

Mechanical Properties	Tensile Test			Impact Test (CVN - Joule)				
	YS (MPa)	TS (MPa)	EL (%)	Temp.(°C)	X1	X2	X3	Avg.
	485	558	29.2	-30	63	73	85	74
Spec.	≥400	482~655	≥22	≥27				

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu	
(Weld Metal)	0.05	0.43	1.12	0.008	0.012	0.04	0.05	0.01	0.01	0.03	
Spec.	≤0.12	≤0.90	≤1.75	≤0.03	≤0.03	≤0.50	≤0.20	≤0.30	≤0.08	≤0.35	

Others

Tested with Supercored 71MAG 1.2mm to obtain the above results.

We hereby certifies that the material covered by this report has been inspected in accordance with and been found to meet the applicable requirements of specification and customer's requirements.

Approved by

Sang Hee Lee

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