

CERTIFIED MATERIAL REPORT

CMR No. : ND1011331337

Date of Issue 2012/04/10

Customer	FINLEX UK LTD.		
Trade Name	Supercored 71MAG	Size	1.6 mm * 15 kg
Lot No.	MF2320D80	Purchaser's Order No.	-
Applicable Specification	AWS A5.20 E71T-1M * According to EN10204 3.1 : 2004		

Welding Current	DCEP	Shielding Gas	80%Ar+ 20%CO ₂	Post Weld Heat Treatment (°C × hr.)	AS WELDED
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Mechanical Properties	Tensile Test			Impact Test (CVN - Joule)				
	YS (MPa)	TS (MPa)	EL (%)	Temp.(°C)	X1	X2	X3	Avg.
	529	587	28.8	-20	100	106	110	105
Spec.	≥400	482~655	≥22	≥27				

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu
(Weld Metal)	0.05	0.54	1.12	0.012	0.015	0.03	0.03	0.01	0.02	0.01
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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