

# CERTIFIED MATERIAL REPORT

CMR No. : 1611233600011

Date of Issue : 2016-11-23

Customer	FINLEX UK LTD		
Trade Name	Supercored 71MAG	Size	1.6mm*15kg
Lot No.	20003616AB6GG1	Purchaser's Order No.	-
Specification	AWS A5.36 E71T1-M21A2-CS1 EN ISO 17632-A T 46 3 P M 1 * According to EN 10204-2004 : 3.1		

Welding Current	DCEP	Shielding Gas	80%Ar+20%CO		Post Weld Heat Treatment ( x hr.)			AS WELDED	
Mechanical Properties		Tensile Test			Impact Test (CVN - Joule)				
		YS(MPa)	TS(MPa)	EL(%)	Temp. ( )	X1	X2	X3	Avg.
		554	605	29.0	-30	79	88	99	89
AWS Spec.		400	490 660	22	27				

## Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu	
(Weld Metal)	0.05	0.65	1.39	0.013	0.011	0.02	0.04	0.01	0.03	0.02	
AWS Spec.	0.12	0.90	1.75	0.030	0.030	0.50	0.20	0.30	0.08	0.35	

Others

We hereby certify 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

*K.W. Park*

QA Manager Park K. W.



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