

HA 773

Ni Cr Al Alloy Wire

Product Code: 22773
Technical Data Sheet

Revision: # 001
 Dated: 01/01/11

1. INTRODUCTION

HA 773 is a Proprietary Ni Based, Chrome, Aluminum Alloy wire material designed for Twin Wire Arc Spraying (TWAS). HA 773 is a Self Bonding material which has a higher oxidation resistance and excellent machining properties as compared with other products.

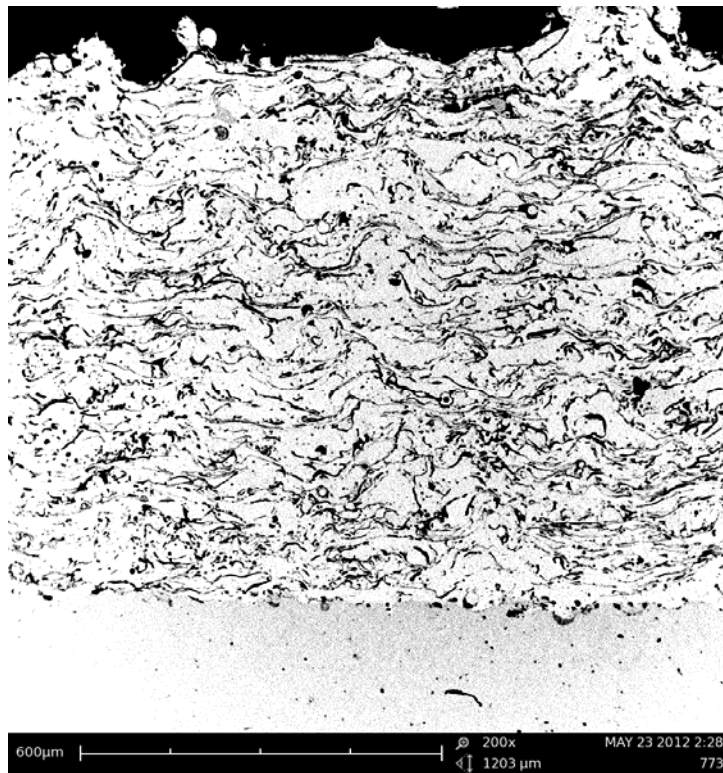


Figure 1: Typical Coating Cross Section of Wire Arc Sprayed HA 773

2. CHEMICAL COMPOSITION

Table 1:

Element	Nickel	Chromium	Aluminum	Manganese	Silicon	Iron
Weight%	Balance	17	6.5	1.4	0.6	0.5

3. PHYSICAL PROPERTIES

Wire Size	1/16" Diameter	1.6 mm Diameter
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Spool Size	OD 12"x 4" wide"; Bore ID 2"	Ø300x100 mm; Bore Ø50 mm
Spool Weight	25 lb each	11.4 kg each
Hardness Hv	Min 200.00	Max 222.0

4. SPECIFICATIONS

B50TF119-S11 CLD, BZ-003 Rev. 1, BZ-003 Type 26 Rev. D, CFM1 CD 6037 for 70-48-15, GEAE C07-043 for GE SPM 70-49-39, HONEYWELL FP5045 Type XVIII, PWA 36947 Rev. E.