



PARAT TECHNOLOGIES

Thermal Spray Equipment | Surface Engineering Solutions
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TEST CERTIFICATE

Ni-Al 95/5 Wire

(PT-80NA)

Customer Name: -

Diameter: - 1.6 mm

Chemical Analysis: -									
	Ni	Cu	Fe	Mn	Si	C	Al	S	Ti
Specification Min.	94.00						4.00		0.50
Specification Max.		0.100	0.500	0.100	0.100	0.020		0.010	

Tensile Test: -							
Model	Dia.	Area	Gauge Length	Ultimate Load	Final Gauge Length	U.T.S.	Elongation Fracture
	mm	mm ²	mm	kN	mm	Mpa	%
Ni-Al 95/5	1.6	2.01	100	1246	116	620	16

COATING PROPERTIES	
Diameter	1/16"
Hardness	55-80 R _b
Bond Strength	9100-9750 psi
Deposition Efficiency	65-70%
Coating Density	7.8gm/cc ^c
Abrasion Resistance	Good
Heat Resistance	Good
Melting Point	1450°C



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Wire Arc Spray | Flame Spray | HVOF | Plasma Spray | Thermal Spray Wires | Thermal Spray Powders