

MetalTek MTEK 6XN Cast UNS J94651 Super Austenitic Stainless Steel

Category : Metal , Ferrous Metal , Austenitic , Stainless Steel , Cast Stainless Steel

Material Notes:

Corrosion resistance approaching nickel alloys, especially in chloride service. Applications: Process piping exposed to flue gas and solutions. Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-6XN-Cast-UNS-J94651-Super-Austenitic-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 550 MPa	>= 79800 psi	
Tensile Strength, Yield	>= 260 MPa	>= 37700 psi	
Elongation at Break	>= 35 %	>= 35 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.030 %	<= 0.030 %	
Chromium, Cr	20 - 22 %	20 - 22 %	
Iron, Fe	42.21 - 50.32 %	42.21 - 50.32 %	As Balance
Manganese, Mn	<= 2.0 %	<= 2.0 %	
Molybdenum, Mo	6.0 - 7.0 %	6.0 - 7.0 %	
Nickel, Ni	23.5 - 25.5 %	23.5 - 25.5 %	
Nitrogen, N	0.18 - 0.26 %	0.18 - 0.26 %	
Silicon, Si	<= 1.0 %	<= 1.0 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal	

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