

MetalTek MTEK 2205 Cast UNS J92205 Duplex Stainless Steel

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

Material Notes:

Excellent seawater corrosion resistance combined with nearly twice the strength of common stainless steels. Applications: Offshore piping systems, couplings. Centrifuge, dewatering equipment. Pump, valve trim, pulp digesters Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-2205-Cast-UNS-J92205-Duplex-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	235	235	
Tensile Strength, Ultimate	>= 620 MPa	>= 89900 psi	
Tensile Strength, Yield	>= 415 MPa	>= 60200 psi	
Elongation at Break	>= 25 %	>= 25 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.030 %	<= 0.030 %	
Chromium, Cr	21 - 23.5 %	21 - 23.5 %	
Copper, Cu	<= 1.0 %	<= 1.0 %	
Iron, Fe	62.67 - 71.9 %	62.67 - 71.9 %	As Balance
Manganese, Mn	<= 1.5 %	<= 1.5 %	
Molybdenum, Mo	2.5 - 3.5 %	2.5 - 3.5 %	
Nickel, Ni	4.5 - 6.5 %	4.5 - 6.5 %	
Nitrogen, N	0.10 - 0.30 %	0.10 - 0.30 %	
Silicon, Si	<= 1.0 %	<= 1.0 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal	

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