

Bisalloy Steels BisPlate 70 Thickness >80-100 mm

Category : Metal , Ferrous Metal , Alloy Steel , Low Alloy Steel , Carbon Steel , Low Carbon Steel

Material Notes:

Low carbon, low alloy, high strength structural steel exhibiting excellent cold formability and low temperature fracture toughness. Can be welded with minimal preheat and has excellent low temperature fracture toughness.Applications: Transport Equipment, Storage Tanks, High Rise Buildings, Lifting Equipment, Mining Equipment, Longwall Mining SupportsTesting: AS/NZS 3597 Grade 600 NATA approvedWelding: According to AS/NZS 1554 parts 4 and 5Tolerance: In accordance with AS/NZS 1365

Order this product through the following link:
http://www.lookpolymers.com/polymer_Bisalloy-Steels-BisPlate-70-Thickness-80-100-mm.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	230	230	
Tensile Strength at Break	760 MPa	110000 psi	
Tensile Strength, Yield	670 MPa @Strain 0.200 %	97200 psi @Strain 0.200 %	
Elongation at Break	28 %	28 %	in 50 mm GL
Charpy Impact	180 J @Temperature -20.0 °C	133 ft-lb @Temperature -4.00 °F	Longitudinal

Component Elements Properties	Metric	English	Comments
Boron, B	0.0010 %	0.0010 %	
Carbon, C	0.16 %	0.16 %	
Chromium, Cr	0.90 %	0.90 %	
Iron, Fe	97.4 %	97.4 %	As Balance
Manganese, Mn	1.15 %	1.15 %	
Molybdenum, Mo	0.20 %	0.20 %	
Phosphorous, P	0.010 %	0.010 %	
Silicon, Si	0.20 %	0.20 %	
Sulfur, S	0.0030 %	0.0030 %	

Descriptive Properties	Value	Comments
CE (IIW)	0.58	

PCM Descriptive Properties	0.3 Value	Comments
Surface Finish	Shotblasted	

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