

Bisalloy Steels BisPlate 70 Thickness 16-80 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 Supports Testing: AS/NZS 3597 Grade 600 NATA approved Welding: According to AS/NZS 1554 parts 4 and 5 Tolerance: In accordance with AS/NZS 1365

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bisalloy-Steels-BisPlate-70-Thickness-16-80-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	0.18 %	0.18 %	
Chromium, Cr	0.20 %	0.20 %	
Iron, Fe	97.8 %	97.8 %	As Balance
Manganese, Mn	1.4 %	1.4 %	
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)	0.5	

PCM Descriptive Properties	0.29 Value	Comments
Surface Finish	Shotblasted	

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