

Bisalloy Steels BisPlate 80 Thickness 16-80 mm

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

Material Notes:

Low alloy, high strength steel plate with a yield strength three times that of carbon steel and featuring low carbon, excellent notch toughness and good weldability and formability. Utilizing the high strength properties of BISPLATE 80 allows reduction in section thickness without loss of structural integrity. Applications: Transport Equipment, High Rise Buildings, Bridges, Excavator Buckets, Storage Tanks, Lifting Equipment, Mining Equipment, Induced Draft Fans Testing: AS/NZS 3597 Grade 700 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-80-Thickness-16-80-mm.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	255	255	
Tensile Strength at Break	830 MPa	120000 psi	
Tensile Strength, Yield	750 MPa @Strain 0.200 %	109000 psi @Strain 0.200 %	
Elongation at Break	26 %	26 %	in 50 mm GL
Charpy Impact	160 J @Temperature -20.0 °C	118 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
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CE (IIW)

Descriptive Properties	Value	Comments
PCM	0.29	
Surface Finish	Shotblasted	

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