

Bisalloy Steels BisPlate 80PV Thickness 16-80 mm

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

Material Notes:

A high strength steel alternative for designers of unfired pressure vessels that meets the requirements of AS1210 and achieves a light weight structure. Applications: Transport Road Tankers, Storage Tanks, Railroad Tankers, Refinery and Petro Chemical Equipment Testing: AS/NZS 3597 Grade 700PV 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-80PV-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	55.0 J @Temperature -20.0 °C	40.6 ft-lb @Temperature -4.00 °F	Transverse

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	0.29	

Descriptive Properties

Value ^{lasted}

Comments

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