

## Bisalloy Steels BisPlate 60 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. Applications: Storage Tanks, High Rise Buildings, Lifting Equipment Testing: AS/NZS 3597 Grade 500 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-60-Thickness-80-100-mm.php](http://www.lookpolymers.com/polymer_Bisalloy-Steels-BisPlate-60-Thickness-80-100-mm.php)

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	210	210	
Tensile Strength at Break	640 MPa	92800 psi	
Tensile Strength, Yield	580 MPa @Strain 0.200 %	84100 psi @Strain 0.200 %	
Elongation at Break	30 %	30 %	in 50 mm GL
Charpy Impact	200 J @Temperature -20.0 °C	148 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	0.3	

Descriptive Properties

Value <sup>lasted</sup>

Comments

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