

ThyssenKrupp X8Ni9 Structural Steel

Category : Metal , Ferrous Metal

Material Notes:

Data applies to plate thicknesses from 13/64 to 1 15/64 in. 9% nickel steel for low temperature service down to -320°F Application for pressure vessels and tanks for the transportation and storage of liquefied natural gas Reference: 5.000 tonnes in thicknesses up to 3.5 in. Heat treatment: quenched and tempered Information Provided by Thyssen Krupp

Order this product through the following link:

http://www.lookpolymers.com/polymer_ThyssenKrupp-X8Ni9-Structural-Steel.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	655 - 827 MPa	95000 - 120000 psi	
Tensile Strength, Yield	>= 483 MPa	>= 70100 psi	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	0.034 - 0.043 %	0.034 - 0.043 %	
Carbon, C	0.060 - 0.070 %	0.060 - 0.070 %	
Manganese, Mn	0.36 - 0.43 %	0.36 - 0.43 %	
Molybdenum, Mo	0.010 - 0.080 %	0.010 - 0.080 %	
Nickel, Ni	8.9 - 9.3 %	8.9 - 9.3 %	
Nitrogen, N	0.0040 - 0.0050 %	0.0040 - 0.0050 %	
Phosphorous, P	0.0050 - 0.0070 %	0.0050 - 0.0070 %	
Silicon, Si	0.18 - 0.29 %	0.18 - 0.29 %	
Sulfur, S	0.0010 - 0.0020 %	0.0010 - 0.0020 %	

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