

ThyssenKrupp XABO® 1100 Structural Steel

Category : Metal , Ferrous Metal

Material Notes:

This Material Specification applies to liquid-quenched and tempered heavy plates from 4 up to 40 mm in thickness, made of the high-strength special structural steel XABO® 1100. Application: The steels may be used for welded constructions of all kinds such as transport vehicles, mobile cranes, hoistings, mining equipment etc. Information Provided by Thyssen Krupp

Order this product through the following link:

http://www.lookpolymers.com/polymer_ThyssenKrupp-XABO-1100-Structural-Steel.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1200 - 1500 MPa	174000 - 218000 psi	
Tensile Strength, Yield	>= 1100 MPa	>= 160000 psi	
Elongation at Break	>= 8.0 %	>= 8.0 %	
Charpy Impact	27.0 J	19.9 ft-lb	Transverse
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	30.0 J	22.1 ft-lb	Longitudinal
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 1.5 %	<= 1.5 %	
Carbon, C	<= 0.20 %	<= 0.20 %	
Chromium, Cr	<= 1.5 %	<= 1.5 %	
Manganese, Mn	<= 1.7 %	<= 1.7 %	
Molybdenum, Mo	<= 0.70 %	<= 0.70 %	
Nickel, Ni	<= 2.5 %	<= 2.5 %	
Phosphorous, P	<= 0.020 %	<= 0.020 %	
Silicon, Si	<= 0.50 %	<= 0.50 %	
Sulfur, S	<= 0.0050 %	<= 0.0050 %	
Vanadium, V	<= 0.12 %	<= 0.12 %	

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