

ThyssenKrupp XAR® 450 Structural Steel

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

Material Notes:

This Material Specification applies to 3 to 100 mm thick plates of the wear-resistant special structural steel XAR® 450. Application: The steel may be used for wear exposed structures, e.g. excavating, mining and earth-moving machinery, truck dump bodies, conveying, crushing and pulverizing equipment, scrap presses and paving moulds. Information Provided by Thyssen Krupp

Order this product through the following link:

http://www.lookpolymers.com/polymer_ThyssenKrupp-XAR-450-Structural-Steel.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1350 MPa	196000 psi	
Tensile Strength, Yield	1200 MPa	174000 psi	
Elongation at Break	10 %	10 %	
Charpy Impact	30.0 J	22.1 ft-lb	
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 1.3 %	<= 1.3 %	
Boron, B	<= 0.0050 %	<= 0.0050 %	
Carbon, C	<= 0.22 %	<= 0.22 %	
Chromium, Cr	<= 1.3 %	<= 1.3 %	
Copper, Cu	<= 0.30 %	<= 0.30 %	
Manganese, Mn	<= 1.5 %	<= 1.5 %	
Molybdenum, Mo	<= 0.50 %	<= 0.50 %	
Other	<= 0.55 %	<= 0.55 %	Carbon Equivalent
Phosphorous, P	<= 0.025 %	<= 0.025 %	
Silicon, Si	<= 0.80 %	<= 0.80 %	
Sulfur, S	<= 0.012 %	<= 0.012 %	

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