

ThyssenKrupp XAR® SUPRA Structural Steel

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

Material Notes:

This Material Specification applies to 4 to 100 mm thick plates of the wear-resistant special structural steel XAR® SUPRA. 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 and scrap presses. Properties typical of 15 mm plate thickness. Information Provided by Thyssen Krupp

Order this product through the following link:

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

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1800 MPa	261000 psi	
Tensile Strength, Yield	1500 MPa	218000 psi	
Elongation at Break	8.0 %	8.0 %	
Charpy Impact	22.0 J	16.2 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	<= 0.35 %	<= 0.35 %	
Chromium, Cr	<= 1.3 %	<= 1.3 %	
Manganese, Mn	<= 1.5 %	<= 1.5 %	
Molybdenum, Mo	<= 0.50 %	<= 0.50 %	
Nickel, Ni	<= 1.5 %	<= 1.5 %	
Other	<= 0.78 %	<= 0.78 %	Carbon Equivalent
Phosphorous, P	<= 0.025 %	<= 0.025 %	
Silicon, Si	<= 0.80 %	<= 0.80 %	
Sulfur, S	<= 0.012 %	<= 0.012 %	

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