

## ThyssenKrupp XAR® 600 Structural Steel

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

**Material Notes:**

This Material Specification applies to 4 to 40 mm thick plates of the wear-resistant special structural steel XAR® 600. The extraordinary high resistance to abrasion of XAR® 600 results from a special water quenching process. 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. Information Provided by Thyssen Krupp

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ThyssenKrupp-XAR-600-Structural-Steel.php](http://www.lookpolymers.com/polymer_ThyssenKrupp-XAR-600-Structural-Steel.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	2000 MPa	290000 psi	
Tensile Strength, Yield	1700 MPa	247000 psi	
Elongation at Break	8.0 %	8.0 %	
Charpy Impact	20.0 J @Temperature -20.0 °C	14.8 ft-lb @Temperature -4.00 °F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 1.5 %	<= 1.5 %	
Boron, B	<= 0.0050 %	<= 0.0050 %	
Carbon, C	<= 0.40 %	<= 0.40 %	
Chromium, Cr	<= 1.5 %	<= 1.5 %	
Manganese, Mn	<= 1.5 %	<= 1.5 %	
Molybdenum, Mo	<= 0.50 %	<= 0.50 %	
Nickel, Ni	<= 1.5 %	<= 1.5 %	
Niobium, Nb (Columbium, Cb)	<= 0.050 %	<= 0.050 %	
Other	<= 0.79 %	<= 0.79 %	Carbon Equivalent
Phosphorous, P	<= 0.025 %	<= 0.025 %	
Silicon, Si	<= 0.80 %	<= 0.80 %	
Sulfur, S	<= 0.010 %	<= 0.010 %	

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