

## ThyssenKrupp TBL PLUS Structural Steel

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

### Material Notes:

This Material Specification applies to heavy plate with thicknesses up to 12 mm, made of the fine-grain structural steel TBL

PLUS.Application: The steel may be used for welded constructions of different types. The chemical composition and the microstructure of the steel are well suited for applications where resistance against abrasive wear is essential. The steel can be used for example in concrete mixer lorries.Properties typical of 8 mm plate thickness.Information Provided by Thyssen Krupp

Order this product through the following link:

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

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	620 MPa	89900 psi	
Tensile Strength, Yield	420 MPa	60900 psi	
Elongation at Break	18 %	18 %	

Component Elements Properties	Metric	English	Comments
Boron, B	0.00080 - 0.0040 %	0.00080 - 0.0040 %	
Carbon, C	0.31 - 0.38 %	0.31 - 0.38 %	
Chromium, Cr	<= 0.50 %	<= 0.50 %	
Manganese, Mn	1.2 - 1.5 %	1.2 - 1.5 %	
Phosphorous, P	<= 0.040 %	<= 0.040 %	
Silicon, Si	<= 0.40 %	<= 0.40 %	
Sulfur, S	<= 0.030 %	<= 0.030 %	

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