

## ThyssenKrupp SECURE 600 Structural Steel

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

**Material Notes:**

This Material Specification applies to the alloyed, liquid-quenched and tempered high-strength special steel SECURE 600 for civil use, that is usually produced from 4 up to 40 mm in thickness. Application: The steels may be used for purposes of ballistic protection mainly for applications like armoured limousines and valuable transporters. Information Provided by Thyssen Krupp

Order this product through the following link:

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

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	2000 MPa	290000 psi	
Tensile Strength, Yield	1500 MPa	218000 psi	
Elongation at Break	8.0 %	8.0 %	
Charpy Impact	15.0 J @Temperature -40.0 °C	11.1 ft-lb @Temperature -40.0 °F	Transverse

Component Elements Properties	Metric	English	Comments
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 %	
Phosphorous, P	<= 0.025 %	<= 0.025 %	
Silicon, Si	<= 0.80 %	<= 0.80 %	
Sulfur, S	<= 0.010 %	<= 0.010 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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