

## ThyssenKrupp SECURE 200 Structural Steel

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

**Material Notes:**

This Material Specification applies to heavy plates from 3 to 15 mm in thickness made of the high-strength armour steel SECURE 200 (ThyssenKrupp armour steel) with a minimum hardness of 200 HBW and a minimum tensile strength of 690 MPa for civil use. Application: The steels may be used for the manufacturing of devices suitable for the saving of valuables, e.g. automatic tellers and safes. Properties are typical of 12.5 mm plate thickness. Information Provided by Thyssen Krupp

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ThyssenKrupp-SECURE-200-Structural-Steel.php](http://www.lookpolymers.com/polymer_ThyssenKrupp-SECURE-200-Structural-Steel.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	550 MPa	79800 psi	
Elongation at Break	15 %	15 %	
Charpy Impact	30.0 J @Temperature -40.0 °C	22.1 ft-lb @Temperature -40.0 °F	Longitudinal
Bend Radius, Minimum	2.0 t	2.0 t	2x the test piece thickness

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.14 %	<= 0.14 %	
Manganese, Mn	<= 2.0 %	<= 2.0 %	
Molybdenum, Mo	<= 0.30 %	<= 0.30 %	
Niobium, Nb (Columbium, Cb)	<= 0.10 %	<= 0.10 %	
Other	<= 0.42 %	<= 0.42 %	Carbon Equivalent
Phosphorous, P	<= 0.020 %	<= 0.020 %	
Silicon, Si	<= 0.60 %	<= 0.60 %	
Sulfur, S	<= 0.010 %	<= 0.010 %	
Vanadium, V	<= 0.10 %	<= 0.10 %	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China