

ThyssenKrupp SECURE MS special® Structural Steel

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

Material Notes:

This Material Specification applies to the high-strength thermomechanically rolled special steel SECURE MS special® (ThyssenKrupp security steel for civil use) with a hardness from 350 to 450 HBW and 2.0 to 3.5 mm in thickness. Application: The steels may be used for purposes of ballistic protection for civil use. Information Provided by Thyssen Krupp

Order this product through the following link:

http://www.lookpolymers.com/polymer_ThyssenKrupp-SECURE-MS-special-Structural-Steel.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1200 - 1450 MPa	174000 - 210000 psi	
Tensile Strength, Yield	900 MPa	131000 psi	
Elongation at Break	8.0 %	8.0 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.20 %	<= 0.20 %	
Chromium, Cr	<= 1.0 %	<= 1.0 %	
Manganese, Mn	<= 2.0 %	<= 2.0 %	
Phosphorous, P	<= 0.020 %	<= 0.020 %	
Silicon, Si	<= 1.0 %	<= 1.0 %	
Sulfur, S	<= 0.0050 %	<= 0.0050 %	

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