

SSAB Tunplatt Domex® 550MC HSLA Steel

Category : Metal , Ferrous Metal , Alloy Steel , Low Alloy Steel

Material Notes:

HSLA Steel Characteristics: Domex® MC grade steels conform to the provisions of EN 10149-2 standard and often have better properties. Property data is for hot-rolled steel. Domex® is the brand name of hot rolled products from SSAB Tunplatt. Domex® cold-forming steels are modern structural steels. General use of Domex® high strength steels offers a number of benefits compared to ordinary structural steels: Lower weight, Simpler production, Lower creep rate, Longer useful life, Higher load-bearing capacity, Lower transport costs, Reduced stocks, Lower overall cost. Data provided by SSAB Tunplatt.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SSAB-Tunplatt-Domex-550MC-HSLA-Steel.php

Physical Properties	Metric	English	Comments
Density	7.87 g/cc	0.284 lb/in ³	Estimated by MatWeb

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	600 - 760 MPa	87000 - 110000 psi	
Tensile Strength, Yield	>= 550 MPa	>= 79800 psi	
Elongation at Break	>= 14 % @Thickness <=3.00 mm	>= 14 % @Thickness <=0.118 in	A ₈₀
	>= 17 % @Thickness >=3.00 mm	>= 17 % @Thickness >=0.118 in	A ₅
Bend Radius, Minimum	>= 1.0 t	>= 1.0 t	t<3mm; internal bend radius, 90°
	>= 1.2 t	>= 1.2 t	3 mm < t < 6mm; internal bend radius, 90°
	>= 1.8 t	>= 1.8 t	t>6mm; internal bend radius, 90°

Component Elements Properties	Metric	English	Comments
Aluminum, Al	>= 0.015 %	>= 0.015 %	
Carbon, C	<= 0.12 %	<= 0.12 %	
Iron, Fe	97 %	97 %	As remainder
Manganese, Mn	<= 1.8 %	<= 1.8 %	
Niobium, Nb (Columbium, Cb)	<= 0.090 %	<= 0.090 %	
Phosphorous, P	<= 0.025 %	<= 0.025 %	

Component Elements Properties	Metric	English	Comments
Sulfur, S	<= 0.010 %	<= 0.010 %	
Titanium, Ti	<= 0.15 %	<= 0.15 %	
Vanadium, V	<= 0.20 %	<= 0.20 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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