

SSAB Tunnplat Domex® 315MC HSLA Steel

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

Material Notes:

HSLA Steel Characteristics: For hot-dip galvanizing, a thin Zn coating (50-80 microns) is specified. 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 Tunnplat. 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 Tunnplat.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SSAB-Tunnplat-Domex-315MC-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	390 - 510 MPa	56600 - 74000 psi	
Tensile Strength, Yield	>= 315 MPa	>= 45700 psi	
Elongation at Break	>= 20 % @Thickness >=3.00 mm	>= 20 % @Thickness >=0.118 in	A _{>80</sub>}
	>= 24 % @Thickness >=3.00 mm	>= 24 % @Thickness >=0.118 in	A _{>5</sub>}
Bend Radius, Minimum	>= 0.25 t	>= 0.25 t	t<3mm; internal bend radius, 90°
	>= 0.50 t	>= 0.50 t	3 mm < t < 6mm; internal bend radius, 90°
	>= 0.80 t	>= 0.80 t	t>6mm; internal bend radius, 90°

Component Elements Properties	Metric	English	Comments
Aluminum, Al	>= 0.015 %	>= 0.015 %	
Carbon, C	<= 0.10 %	<= 0.10 %	
Iron, Fe	98 %	98 %	As remainder
Manganese, Mn	<= 1.3 %	<= 1.3 %	
Niobium, Nb (Columbium, Cb)	<= 0.090 %	<= 0.090 %	
Phosphorous, P			

Component Elements Properties	$\leq 0.025\%$ Metric	$\leq 0.025\%$ English	Comments
Silicon, Si	$\leq 0.030\%$	$\leq 0.030\%$	
Sulfur, S	$\leq 0.010\%$	$\leq 0.010\%$	
Titanium, Ti	$\leq 0.15\%$	$\leq 0.15\%$	
Vanadium, V	$\leq 0.20\%$	$\leq 0.20\%$	

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