

SSAB Tunnplat Docol® 1000 DL High-strength Steel

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

Material Notes:

In course of development.Data provided by SSAB Tunnplat.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SSAB-Tunnplat-Docol-1000-DL-High-strength-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	1000 - 1200 MPa	145000 - 174000 psi	
Tensile Strength, Yield	>= 650 MPa	>= 94300 psi	After bake hardening
	500 - 750 MPa	72500 - 109000 psi	
	@Strain 0.200 %	@Strain 0.200 %	
Elongation at Break	>= 8.0 %	>= 8.0 %	A₈₀
Bend Radius, Minimum	>= 3.0 t	>= 3.0 t	90° bend

Component Elements Properties	Metric	English	Comments
Aluminum, Al	0.040 %	0.040 %	
Carbon, C	0.18 %	0.18 %	
Iron, Fe	98 %	98 %	As remainder
Manganese, Mn	1.6 %	1.6 %	
Phosphorous, P	0.015 %	0.015 %	
Silicon, Si	0.20 %	0.20 %	
Sulfur, S	0.0020 %	0.0020 %	

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