

SSAB Tunplat Docol® 500DP High-strength Steel

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

Material Notes:

High-strength SteelComments: Docol DP - Cold Rolled Steel - dual-phase steel. Property values are for cold-rolled steel; thicknesses 0.5 - 1.6 mm. Iron content is approximate - exact composition is not reported by the manufacturer.Data provided by SSAB Tunplat.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SSAB-Tunplat-Docol-500DP-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	500 - 600 MPa	72500 - 87000 psi	
Tensile Strength, Yield	>= 400 MPa	>= 58000 psi	After bake hardening
	300 - 390 MPa	43500 - 56600 psi	
	@Strain 0.200 %	@Strain 0.200 %	
Elongation at Break	>= 22 %	>= 22 %	A₈₀
Bend Radius, Minimum	>= 0.00 t	>= 0.00 t	thickness between 1.0 and 1.5 mm

Component Elements Properties	Metric	English	Comments
Iron, Fe	98 %	98 %	

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