

## SSAB Tunplatt Docol® 400DP High-strength Steel

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

**Material Notes:**

High-strength Steel Comments: 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 Tunplatt.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SSAB-Tunplatt-Docol-400DP-High-strength-Steel.php](http://www.lookpolymers.com/polymer_SSAB-Tunplatt-Docol-400DP-High-strength-Steel.php)

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	400 - 480 MPa	58000 - 69600 psi	
Tensile Strength, Yield	>= 320 MPa	>= 46400 psi	After bake hardening
	250 - 320 MPa	36300 - 46400 psi	
	@Strain 0.200 %	@Strain 0.200 %	
Elongation at Break	>= 26 %	>= 26 %	A<sub>80</sub>
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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