

## SSAB Tunnplat Docol® 600DP High-strength Steel

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

**Material Notes:**

High-strength Steel Comments: Docol DP - Cold Rolled Steel - Extra high-strength steel (EHS). 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 Tunnplat.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SSAB-Tunnplat-Docol-600DP-High-strength-Steel.php](http://www.lookpolymers.com/polymer_SSAB-Tunnplat-Docol-600DP-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	600 - 700 MPa	87000 - 102000 psi	
Tensile Strength, Yield	>= 500 MPa	>= 72500 psi	After bake hardening
	350 - 440 MPa	50800 - 63800 psi	
	@Strain 0.200 %	@Strain 0.200 %	
Elongation at Break	>= 16 %	>= 16 %	A <sub>80</sub>
Bend Radius, Minimum	>= 0.00 t	>= 0.00 t	
	@Thickness 3.20 mm	@Thickness 0.126 in	

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

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