

SSAB Tunplatt Docol® 300 RP High-strength Steel

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

Material Notes:

High-strength Steel Comments: Docol RP - Cold Rolled Steel - rephosphorized steel. Property values are for cold-rolled steel; thicknesses 0.40 - 3.0 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-300-RP-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	420 - 500 MPa	60900 - 72500 psi	
Tensile Strength, Yield	300 - 360 MPa @Strain 0.200 %	43500 - 52200 psi @Strain 0.200 %	
Elongation at Break	>= 26 %	>= 26 %	A₈₀
Bend Radius, Minimum	>= 0.00 t	>= 0.00 t	thickness between 0.5 and 3.0 mm

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

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