

SSAB Tunplat Docol® 420YP High-strength Steel

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

Material Notes:

High-strength Steel Comments: Docol YP - Cold Rolled Steel - HSLA. Property values are for cold-rolled steel; thicknesses 0.5 - 3.00 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-420YP-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	180 - 620 MPa	26100 - 89900 psi	
Tensile Strength, Yield	420 - 540 MPa @Strain 0.200 %	60900 - 78300 psi @Strain 0.200 %	
Elongation at Break	>= 16 %	>= 16 %	A₈₀
Bend Radius, Minimum	>= 0.00 t	>= 0.00 t	thickness between 0.5 and 2.5 mm
	>= 0.50 t	>= 0.50 t	t = 3.0 mm

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

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