

SSAB Tunplat Docol® 300 BH High-strength Steel

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

Material Notes:

High-strength SteelComments: Docol BH - Cold Rolled Steel - rephosphorized steel with bake hardening effect. Property values are for cold-rolled steel; thicknesses 0.40 - 2.0 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-300-BH-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 %	
	>= 360 MPa @Strain 2.00 %	>= 52200 psi @Strain 2.00 %	bake hardening after 2% strain and heating to 170°C for 20 min.
Elongation at Break	>= 26 %	>= 26 %	A₈₀

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

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