

SSAB Tunnplat Dogal 420YP High-strength Metal-coated Steel

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

Material Notes:

High-strength Metal-coated Steel Comments: Dogal YP - HSLA steel. Property values are for thicknesses 0.4 to 2.5 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-Dogal-420YP-High-strength-Metal-coated-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	490 - 560 MPa	71100 - 81200 psi	
Tensile Strength, Yield	420 - 490 MPa @Strain 0.200 %	60900 - 71100 psi @Strain 0.200 %	
Elongation at Break	>= 18 %	>= 18 %	A _{>80} ; For thicknesses < 0.70 mm values 2% lower apply
Bend Radius, Minimum	>= 0.50 t	>= 0.50 t	90° bending; avoid bending and rebending

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

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