

SSAB Tunplatt Domex® 490XP Extra High-strength Cold-forming Steel

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

Material Notes:

Extra High-strength Cold-forming Steel, HSLA Characteristics: Domex® is the brand name of hot rolled products from SSAB Tunplatt. Domex® cold-forming steels are modern structural steels. General use of Domex® high strength steels offers a number of benefits compared to ordinary structural steels: Lower weight, Simpler production, Lower creep rate, Longer useful life, Higher load-bearing capacity, Lower transport costs, Reduced stocks, Lower overall cost. Iron content is approximate - exact value 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-Domex-490XP-Extra-High-strength-Cold-forming-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	>= 550 MPa	>= 79800 psi	
Tensile Strength, Yield	>= 490 MPa	>= 71100 psi	
Elongation at Break	>= 18 %	>= 18 %	A ₅
Bend Radius, Minimum	>= 0.50 t	>= 0.50 t	t<3mm; internal bend radius, 90°
	>= 1.0 t	>= 1.0 t	3 mm < t < 6mm; internal bend radius, 90°
	>= 1.4 t	>= 1.4 t	t>6mm; internal bend radius, 90°

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

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