

SSAB Tunnplat Domex® Wear Steel Sheet

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

Material Notes:

Domex® Wear is a new grade of steel sheet in the Domex® range, and its main distinguishing features are good wear resistance, high strength, good bendability, high toughness and good weldability. The wear resistance of Domex® Wear is close to that of much harder quenching and tempering steels. Uses: For components subjected to moderate abrasive wear caused by hard particles, such as stones, sand, ore or slurries. In the building industry: concrete mixers, hoppers. In the transport industry: truck platforms, tippers, sludge conveyors, refuse collection trucks. In agriculture: plough shares, seed conveyors. In the mining industry: fans, screws conveyors. Data provided by SSAB Tunnplat.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SSAB-Tunnplat-Domex-Wear-Steel-Sheet.php

Physical Properties	Metric	English	Comments
Density	7.87 g/cc	0.284 lb/in ³	Estimated by MatWeb

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	265	265	
Tensile Strength, Ultimate	>= 800 MPa	>= 116000 psi	
Tensile Strength, Yield	780 MPa	113000 psi	
Elongation at Break	15 %	15 %	A ₅
Impact	34	34	J/cm ² ; -20°C; longitudinal
Bend Radius, Minimum	>= 2.0 t	>= 2.0 t	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	0.040 %	0.040 %	
Carbon, C	0.17 %	0.17 %	
Chromium, Cr	0.30 %	0.30 %	
Iron, Fe	97.14 %	97.14 %	As Remainder
Manganese, Mn	1.8 %	1.8 %	
Molybdenum, Mo	0.10 %	0.10 %	
Phosphorous, P	0.010 %	0.010 %	
Silicon, Si	0.30 %	0.30 %	

Sulfur, S	<= 0.010 %	<= 0.010 %	
Component Elements Properties	Metric	English	Comments
Titanium, Ti	0.14 %	0.14 %	

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