

## SSAB Tunplat Dogal 220 RP-X High-strength Metal-coated Steel

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

### Material Notes:

High-strength Metal-coated Steel Comments: Dogal RP - rephosphorized. 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-Dogal-220-RP-X-High-strength-Metal-coated-Steel.php](http://www.lookpolymers.com/polymer_SSAB-Tunplat-Dogal-220-RP-X-High-strength-Metal-coated-Steel.php)

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	340 - 420 MPa	49300 - 60900 psi	
Tensile Strength, Yield	220 - 280 MPa @Strain 0.200 %	31900 - 40600 psi @Strain 0.200 %	
Elongation at Break	>= 32 %	>= 32 %	A <sub>&gt;80</sub> ; 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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