

AK Steel ZINCGRIP® GA Hot Dip Galvanized Carbon Steel, Dent Resistant (DR 180)

Category : Metal , Ferrous Metal , Carbon Steel , Low Carbon Steel

Material Notes:

Compared to DS Type B, DR steels have higher initial YS which contributes to increased strength after forming. Information provided by AK Steel

Order this product through the following link:

http://www.lookpolymers.com/polymer_AK-Steel-ZINCGRIP-GA-Hot-Dip-Galvanized-Carbon-Steel-Dent-Resistant-DR-180.php

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	372 MPa	54000 psi	
Tensile Strength, Yield	200 MPa	29000 psi	
Elongation at Break	35 %	35 %	
Modulus of Elasticity	200 GPa	29000 ksi	

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	0.481 J/g-°C @Temperature 50.0 - 100 °C	0.115 BTU/lb-°F @Temperature 122 - 212 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000142 ohm-cm	0.0000142 ohm-cm	

Descriptive Properties	Value	Comments
Deep-Drawing Capability rm	1.8	
Strain Hardening Exponent n	0.22	

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