

AK Steel ZINCGRIP® Hot Dip Galvanized Carbon Steel, Commercial Steel (FS Type B), Standard Grade

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

Material Notes:

May be moderately formed. A specimen cut in any direction can be bent flat on itself without cracking. Information provided by AK Steel

Order this product through the following link:

http://www.lookpolymers.com/polymer_AK-Steel-ZINCGRIP-Hot-Dip-Galvanized-Carbon-Steel-Commercial-Steel-FS-Type-B-Standard-Grade.php

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	345 MPa	50000 psi	.0275 - .035 inches sheet thickness; ASTM A 370
Tensile Strength, Yield	303 MPa	43900 psi	.0275 - .035 inches sheet thickness; ASTM A 370
Elongation at Break	38 %	38 %	.0275 - .035 inches sheet thickness; ASTM A 370
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
n	0.20	

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