

AK Steel ZINCGRIP® ELECTRASMOOTH® Electrogalvanized Carbon Steel, Bake Hardenable (BH 180)

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

Material Notes:

Brake Hardenable steels offer good formability and an increase in strength after paint bake. Information provided by AK Steel

Order this product through the following link:

http://www.lookpolymers.com/polymer_AK-Steel-ZINCGRIP-ELECTRASMOOTH-Electrogalvanized-Carbon-Steel-Bake-Hardenable-BH-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	>= 296 MPa	>= 42900 psi	
Tensile Strength, Yield	>= 193 MPa	>= 28000 psi	
Elongation at Break	>= 43 %	>= 43 %	
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	1.7	
Strain Hardening Exponent n	0.2	

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