

## AK Steel ZINCGRIP® GA Hot Dip Galvanized Carbon Steel, Bake Hardenable (BH 180)

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

**Material Notes:**

Bake 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-GA-Hot-Dip-Galvanized-Carbon-Steel-Bake-Hardenable-BH-180.php](http://www.lookpolymers.com/polymer_AK-Steel-ZINCGRIP-GA-Hot-Dip-Galvanized-Carbon-Steel-Bake-Hardenable-BH-180.php)

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	331 MPa	48000 psi	
Tensile Strength, Yield	200 MPa	29000 psi	
Elongation at Break	42 %	42 %	
Modulus of Elasticity	200 GPa	29000 ksi	

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	0.481 J/g-°C	0.115 BTU/lb-°F	
	@Temperature 50.0 - 100 °C	@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	1.6	
Strain Hardening Exponent n	0.21	

### Contact Songhan Plastic Technology Co.,Ltd.

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