

AK Steel ZINCGRIP® ELECTRASMOOTH® Electrogalvanized Carbon Steel, Bake Hardenable (BH 210)

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-210.php

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

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------|--------------|----------|
| Tensile Strength, Ultimate | >= 352 MPa | >= 51100 psi | |
| Tensile Strength, Yield | >= 238 MPa | >= 34500 psi | |
| Elongation at Break | >= 38 % | >= 38 % | |
| 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 | 0.2 | |

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