

## AK Steel ZINCGRIP® Hot Dip Galvanized Carbon Steel, Deep Drawing Steel (DDS Type B), Standard Grade

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

### Material Notes:

Made by adding aluminum to the molten steel and may be used in drawing applications. 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-Deep-Drawing-Steel-DDS-Type-B-Standard-Grade.php](http://www.lookpolymers.com/polymer_AK-Steel-ZINCGRIP-Hot-Dip-Galvanized-Carbon-Steel-Deep-Drawing-Steel-DDS-Type-B-Standard-Grade.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 | .0275 - .035 inches sheet thickness; ASTM A 370 |
| Tensile Strength, Yield    | 221 MPa | 32100 psi | .0275 - .035 inches sheet thickness; ASTM A 370 |
| Elongation at Break        | 40 %    | 40 %      | .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<br>@Temperature 50.0 - 100 °C | 0.115 BTU/lb-°F<br>@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  | 1.4   | .0275 - .035 inches sheet thickness |
| Strain Hardening Exponent n | 0.21  | .0275 - .035 inches sheet thickness |

## Contact Songhan Plastic Technology Co.,Ltd.

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