

## AK Steel ZINCGRIP® FORMABLE 50K / ASTM A1008 class 1 / SAE J1392 050 XLK, Grade 50 ElectroGalvanized Carbon Steel, High Strength Low Alloy Steel (HSLAS)

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

### Material Notes:

Information provided by AK Steel

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_AK-Steel-ZINCGRIP-FORMABLE-50K-ASTM-A1008-class-1-SAE-J1392-050-XLK-Grade-50-ElectroGalvanized-Carbon-Steel-High-Strength-Low-Alloy-Steel-HSLAS.php](http://www.lookpolymers.com/polymer_AK-Steel-ZINCGRIP-FORMABLE-50K-ASTM-A1008-class-1-SAE-J1392-050-XLK-Grade-50-ElectroGalvanized-Carbon-Steel-High-Strength-Low-Alloy-Steel-HSLAS.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 | >= 450 MPa | >= 65300 psi |          |
| Tensile Strength, Yield    | >= 345 MPa | >= 50000 psi |          |
| Elongation at Break        | >= 20 %    | >= 20 %      |          |
| Modulus of Elasticity      | 200 GPa    | 29000 ksi    |          |

| Thermal Properties     | Metric                     | English                           | Comments |
|------------------------|----------------------------|-----------------------------------|----------|
| CTE, linear            | 12.4 µm/m-°C               | 6.89 µin/in-°F                    |          |
|                        | @Temperature 20.0 - 100 °C | @Temperature 68.0 - 212 °F        |          |
| Specific Heat Capacity | 0.481 J/g-°C               | 0.115 BTU/lb-°F                   |          |
|                        | @Temperature 50.0 - 100 °C | @Temperature 122 - 212 °F         |          |
| Thermal Conductivity   | 89.0 W/m-K                 | 618 BTU-in/hr-ft <sup>2</sup> -°F |          |

| Electrical Properties  | Metric           | English          | Comments |
|------------------------|------------------|------------------|----------|
| Electrical Resistivity | 0.0000142 ohm-cm | 0.0000142 ohm-cm |          |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China