

AK Steel ZINCGRIP® ELECTRASMOOTH® Electrogalvanized Carbon Steel, Drawing Steel (DS Type B), Standard Grade

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

Material Notes:

DS Type B 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-ELECTRASMOOTH-Electrogalvanized-Carbon-Steel-Drawing-Steel-DS-Type-B-Standard-Grade.php

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

| Mechanical Properties | Metric | English | Comments |
|----------------------------|---------|-----------|---|
| Tensile Strength, Ultimate | 317 MPa | 46000 psi | .0275 - .035 inches sheet thickness; ASTM A 370 |
| Tensile Strength, Yield | 193 MPa | 28000 psi | .0275 - .035 inches sheet thickness; ASTM A 370 |
| Elongation at Break | 44 % | 44 % | .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 @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 r_m | 1.8 | .0275 - .035 inches sheet thickness |
| Strain Hardening Exponent n | 0.22 | .0275 - .035 inches sheet thickness |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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