

## AK Steel ZINCGRIP® ELECTRASMOOTH® Electrogalvanized Carbon Steel, Commercial Steel (CS Type B), Standard Grade

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

**Material Notes:**

May be moderately formed. A specimen cut in any direction can be bent flat on itself without cracking. Information provided by AK Steel

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_AK-Steel-ZINCGRIP-ELECTRASMOOTH-Electrogalvanized-Carbon-Steel-Commercial-Steel-CS-Type-B-Standard-Grade.php](http://www.lookpolymers.com/polymer_AK-Steel-ZINCGRIP-ELECTRASMOOTH-Electrogalvanized-Carbon-Steel-Commercial-Steel-CS-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	214 MPa	31000 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 @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 $r_m$	1.6	.0275 - .035 inches sheet thickness
Strain Hardening Exponent $n$	0.19	.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