

**AK Steel ZINCGRIP® ELECTRASMOOTH® Electrogalvanized Carbon Steel, HSLAS, FORMABLE 40K / SAE J1392 040 XLK or 040 YLK**

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-ELECTRASMOOTH-Electrogalvanized-Carbon-Steel-HSLAS-FORMABLE-40K-SAE-J1392-040-XLK-or-040-YLK.php](http://www.lookpolymers.com/polymer_AK-Steel-ZINCGRIP-ELECTRASMOOTH-Electrogalvanized-Carbon-Steel-HSLAS-FORMABLE-40K-SAE-J1392-040-XLK-or-040-YLK.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	>= 380 MPa	>= 55100 psi	
Tensile Strength, Yield	>= 280 MPa	>= 40600 psi	
Elongation at Break	>= 25 %	>= 25 %	
Modulus of Elasticity	200 GPa	29000 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	12.4 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	6.89 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	
	@Temperature 20.0 - 100 $^{\circ}\text{C}$	@Temperature 68.0 - 212 $^{\circ}\text{F}$	
Specific Heat Capacity	0.481 J/g- $^{\circ}\text{C}$	0.115 BTU/lb- $^{\circ}\text{F}$	
	@Temperature 50.0 - 100 $^{\circ}\text{C}$	@Temperature 122 - 212 $^{\circ}\text{F}$	
Thermal Conductivity	89.0 W/m-K	618 BTU-in/hr-ft <sup>2</sup> - $^{\circ}\text{F}$	

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

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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