

AK Steel SAE J1392, Grade 60F Hot Rolled Carbon Steel, Medium/High Strength Low Alloy (HSLA)

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

Material Notes:

AK Steel Formable Grade - F indicates inclusion controlled low alloy. Information provided by AK Steel

Order this product through the following link:

http://www.lookpolymers.com/polymer_AK-Steel-SAE-J1392-Grade-60F-Hot-Rolled-Carbon-Steel-MediumHigh-Strength-Low-Alloy-HSLA.php

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

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------|--------------|----------|
| Tensile Strength, Ultimate | >= 520 MPa | >= 75400 psi | |
| Tensile Strength, Yield | >= 410 MPa | >= 59500 psi | |
| Elongation at Break | >= 18 % | >= 18 % | |
| 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 ² - $^{\circ}\text{F}$ | |

| 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