

AK Steel ASTM A 463 / SAE J1392 040 AHK, Grade 40 Aluminized Carbon Steel, Structural Steel (SS)

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

Material Notes:

Aluminized Type 1 coating contains approximately 91% aluminum and 9% silicon that is metallurgically bonded to the low-carbon steel substrate. Information provided by AK Steel

Order this product through the following link:

http://www.lookpolymers.com/polymer_AK-Steel-ASTM-A-463-SAE-J1392-040-AHK-Grade-40-Aluminized-Carbon-Steel-Structural-Steel-SS.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|--------------------------|----------------------|
| Density | 7.85 g/cc | 0.284 lb/in ³ | Typical Carbon Steel |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|---------------------|----------------------|----------|
| Tensile Strength, Ultimate | >= 380 MPa | >= 55100 psi | |
| Tensile Strength, Yield | >= 280 MPa | >= 40600 psi | |
| Elongation at Break | >= 16 % | >= 16 % | |
| Modulus of Elasticity | 201 GPa | 29200 ksi | |
| | 88.3 GPa | 12800 ksi | |
| | @Temperature 649 °C | @Temperature 1200 °F | |
| | 183 GPa | 26500 ksi | |
| | @Temperature 316 °C | @Temperature 600 °F | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|-----------|------------|----------|
| Maximum Service Temperature, Air | >= 677 °C | >= 1250 °F | |

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