

AK Steel ASTM A 907, Grade 36 Hot Rolled Carbon Steel, Structural Quality (SQ)

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

Material Notes:

For gauges up to 0.229", ASTM A 570 must be specified, gauges >0.230", ASTM A 907 must be used. Items 0.180 to 0.230" gauge which are >48" wide may be ordered to either A 570 or A 907. Information provided by AK Steel

Order this product through the following link:

http://www.lookpolymers.com/polymer_AK-Steel-ASTM-A-907-Grade-36-Hot-Rolled-Carbon-Steel-Structural-Quality-SQ.php

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

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------|--------------|----------|
| Tensile Strength, Ultimate | >= 365 MPa | >= 52900 psi | |
| Tensile Strength, Yield | >= 250 MPa | >= 36300 psi | |
| Elongation at Break | >= 21 % | >= 21 % | |
| 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 | |

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