

AK Steel Hot Rolled Carbon Steel, Drawing Steel with Boron (DS Type B), Standard Grade

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

Material Notes:

DS is made by adding aluminum and boron to the molten steel and may be used in severe drawing applications. Information provided by AK Steel

Order this product through the following link:

http://www.lookpolymers.com/polymer_AK-Steel-Hot-Rolled-Carbon-Steel-Drawing-Steel-with-Boron-DS-Type-B-Standard-Grade.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	50	50	
Tensile Strength, Ultimate	330 MPa	47900 psi	
Tensile Strength, Yield	220 MPa	31900 psi	
Elongation at Break	43 %	43 %	
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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