

## AK Steel Cold Rolled Carbon Steel, Drawing Steel (DS Type B), Standard Grade

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

**Material Notes:**

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_AK-Steel-Cold-Rolled-Carbon-Steel-Drawing-Steel-DS-Type-B-Standard-Grade.php](http://www.lookpolymers.com/polymer_AK-Steel-Cold-Rolled-Carbon-Steel-Drawing-Steel-DS-Type-B-Standard-Grade.php)

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	37	37	
Tensile Strength, Ultimate	303 MPa	43900 psi	
Tensile Strength, Yield	179 MPa	26000 psi	
Elongation at Break	44 %	44 %	in 2 inches
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	

Descriptive Properties	Value	Comments
Deep-Drawing Capability rm	1.7	
Strain Hardening Exponent n	0.23	

## Contact Songhan Plastic Technology Co.,Ltd.

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