ASTM A500 Steel, grade B, shaped structural tubing

Categories: Metal; Ferrous Metal; ASTM Steel; Carbon Steel; Low Carbon Steel

Material Notes:

The Cu content of 0.18% is a minimum content when copper steel is specified.

Key Words:

copper steels, copper-steels, UNS K03000, ASTM A501

Vendors:

Click here to view all available suppliers for this material.

Please <u>click here</u> if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	7.85 g/cc	0.284 lb/in ³	Typical of ASTM Steel
Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	400 MPa	58000 psi	- 1
Tensile Strength, Yield	315 MPa	45700 psi	
Elongation at Break	23.0 %	23.0 %	
Bulk Modulus	140 GPa	20300 ksi	Typical for steel
Shear Modulus	80.0 GPa	11600 ksi	Typical for steel
Material Components Properties	Metric	English	Comments
Carbon, C	<= 0.30 %	<= 0.30 %	
Copper, Cu	<= 0.18 %	<= 0.18 %	
Iron, Fe	99.0 %	99.0 %	
Phosphorous, P	<= 0.050 %	<= 0.050 %	
Sulfur, S	<= 0.0630 %	<= 0.0630 %	

References for this datasheet.

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