

PSM Industries Pacific Sintered Metals High Carbon Copper Steel FCC-200-P Powdered Metal

Category : Metal , Ferrous Metal , Carbon Steel , High Carbon Steel

Material Notes:

High strength, Good impact resistant material for mechanical components, Excellent hardenability, High performance material with high strength and wear resistance after heat treatment Equivalent MPIF Specification: FC-0505-40 Information Provided by Pacific Sintered Metals, a division of PSM Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_PSM-Industries-Pacific-Sintered-Metals-High-Carbon-Copper-Steel-FCC-200-P-Powdered-Metal.php

Physical Properties	Metric	English	Comments
Density	6.00 - 6.40 g/cc	0.217 - 0.231 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	62	62	
Tensile Strength, Ultimate	400 MPa	58000 psi	
Tensile Strength, Yield	324 MPa	47000 psi	
Elongation at Break	<= 1.0 %	<= 1.0 %	1 in. gauge
Flexural Strength	703 MPa	102000 psi	Transverse Rupture
Ultimate Bearing Strength	317 MPa	46000 psi	Bearing Strength Constant K
Charpy Impact, Unnotched	6.78 J	5.00 ft-lb	

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