

PSM Industries Pacific Sintered Metals High Carbon Copper Steel FCC-214-S 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-0208-50 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-214-S-Powdered-Metal.php

Physical Properties	Metric	English	Comments
Density	6.80 - 7.20 g/cc	0.246 - 0.260 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	78	78	
Tensile Strength, Ultimate	469 MPa	68000 psi	
Tensile Strength, Yield	414 MPa	60000 psi	
Elongation at Break	<= 1.0 %	<= 1.0 %	1 in. gauge
Flexural Strength	965 MPa	140000 psi	Transverse Rupture
Charpy Impact, Unnotched	8.13 J	6.00 ft-lb	

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