

PSM Industries Pacific Sintered Metals Copper Steel FC-221-P Powdered Metal

Category : Metal , Ferrous Metal

Material Notes:

Medium strength mechanical components Equivalent MPIF Specification: FC-0205-35 Information Provided by Pacific Sintered Metals, a division of PSM Industries

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http://www.lookpolymers.com/polymer_PSM-Industries-Pacific-Sintered-Metals-Copper-Steel-FC-221-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	48	48	
Tensile Strength, Ultimate	276 MPa	40000 psi	
Tensile Strength, Yield	276 MPa	40000 psi	
Elongation at Break	<= 1.0 %	<= 1.0 %	1 in. gauge
Flexural Strength	517 MPa	75000 psi	Transverse Rupture
Ultimate Bearing Strength	207 MPa	30000 psi	Bearing Strength Constant K
Charpy Impact, Unnotched	4.07 J	3.00 ft-lb	

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