

PSM Industries Pacific Sintered Metals High Carbon Steel F-244-S Powdered Metal

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

Material Notes:

Highly stressed mechanical components, Good hardenability Equivalent MPIF Specification: F-0008-35 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-Steel-F-244-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	70	70	
Tensile Strength, Ultimate	393 MPa	57000 psi	
Tensile Strength, Yield	276 MPa	40000 psi	
Elongation at Break	1.0 %	1.0 %	1 in. gauge
Tensile Modulus	131 GPa	19000 ksi	
Flexural Strength	689 MPa	100000 psi	Transverse Rupture
Charpy Impact, Unnotched	6.78 J	5.00 ft-lb	

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