

PSM Industries Pacific Sintered Metals Iron F-241-S Powdered Metal

Category : Metal , Electronic/Magnetic Alloy , Ferrous Metal

Material Notes:

Low stressed mechanical components, Soft magnetic applications Equivalent MPIF Specification: F-0000-15 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-Iron-F-241-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	60	60	
Tensile Strength, Ultimate	172 MPa	25000 psi	
Tensile Strength, Yield	124 MPa	18000 psi	
Elongation at Break	3.0 %	3.0 %	1 in. gauge
Tensile Modulus	117 GPa	17000 ksi	
Flexural Strength	345 MPa	50000 psi	Transverse Rupture
Charpy Impact, Unnotched	8.13 J	6.00 ft-lb	

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