

Pacific Sintered Materials F-241-S Iron Powdered Metal

Category : Metal , Ferrous Metal , Cast Iron

Material Notes:

Applications:Low stressed mechanical componentsSoft magnetic applicationsEquivalent MPIF Specification: F-0000-15All information provided by Pacific Sintered Metals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pacific-Sintered-Materials-F-241-S-Iron-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	Apparent
Tensile Strength, Ultimate	172 MPa	25000 psi	
Tensile Strength, Yield	124 MPa	18000 psi	
Elongation at Break	3.0 %	3.0 %	
Modulus of Elasticity	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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