

Pacific Sintered Materials FP-1650-S Phosphorous Iron Soft Magnetic Powdered Metal

Category : Metal , Ferrous Metal

Material Notes:

For applications requiring high yield strength and toughness. Magnetic properties superior to iron, but slightly inferior to silicon iron. All information provided by Pacific Sintered Metals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pacific-Sintered-Materials-FP-1650-S-Phosphorous-Iron-Soft-Magnetic-Powdered-Metal.php

Physical Properties	Metric	English	Comments
Density	7.00 - 7.20 g/cc	0.253 - 0.260 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	353 MPa	51200 psi	
Elongation at Break	12 %	12 %	

Electrical Properties	Metric	English	Comments
Magnetic Permeability	<= 3.7	<= 3.7	K-Gauss/Oe
Magnetic Coercive Force, Hc	1.2 Oe	1.2 Oe	
Magnetic Saturation Flux Density, Bmax	12700 Gauss	12700 Gauss	Magnetic Induction
Magnetic Remanence, Br	10100 Gauss	10100 Gauss	

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