

PSM Industries Pacific Sintered Metals Phosphorous Iron FP-1650-S Powdered Metal

Category : Metal , Electronic/Magnetic Alloy , Ferrous Metal

Material Notes:

For applications requiring high yield strength and toughness. Magnetic properties superior to iron, but slightly inferior to silicon iron. 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-Phosphorous-Iron-FP-1650-S-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 %	1 in. gauge

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	12.7 Gauss	12.7 Gauss	
Magnetic Remanence, Br	10.1 Gauss	10.1 Gauss	

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