

PSM Industries Pacific Sintered Metals Silicon Iron FS-1602 Powdered Metal

Category : Metal , Electronic/Magnetic Alloy , Ferrous Metal

Material Notes:

DC magnetic applications such as armatures, relays, solenoids, pole pieces and cores. Possible AC uses
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-Silicon-Iron-FS-1602-Powdered-Metal.php

Physical Properties	Metric	English	Comments
Density	7.10 - 7.30 g/cc	0.257 - 0.264 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	337 MPa	48900 psi	
Elongation at Break	5.0 %	5.0 %	1 in. gauge

Electrical Properties	Metric	English	Comments
Magnetic Permeability	<= 8.8	<= 8.8	K-Gauss/Oe
Magnetic Coercive Force, Hc	1.1 Oe	1.1 Oe	
Magnetic Saturation Flux Density, Bmax	13 Gauss	13 Gauss	
Magnetic Remanence, Br	11.4 Gauss	11.4 Gauss	

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