

Pacific Sintered Materials F-241-S1 Iron Soft Magnetic Powdered Metal

Category : Metal , Ferrous Metal

Material Notes:

Applications: DC magnetic applications such as pole pieces, cores, armatures, generator rotors and stator cores. Equivalent ASTM

Specification: B310-70, TYPE III, CLASS AAll information provided by Pacific Sintered Metals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pacific-Sintered-Materials-F-241-S1-Iron-Soft-Magnetic-Powdered-Metal.php

Physical Properties	Metric	English	Comments
Density	6.80 - 7.00 g/cc	0.246 - 0.253 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	200 MPa	29000 psi	
Elongation at Break	7.0 %	7.0 %	

Electrical Properties	Metric	English	Comments
Magnetic Permeability	<= 5.3	<= 5.3	K-Gauss/Oe
Magnetic Coercive Force, Hc	2.0 Oe	2.0 Oe	
Magnetic Saturation Flux Density, Bmax	11200 Gauss	11200 Gauss	Magnetic Induction
Magnetic Remanence, Br	9700 Gauss	9700 Gauss	

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