

## PSM Industries Pacific Sintered Metals Iron F-241-S1 Powdered Metal

Category : Metal , Electronic/Magnetic Alloy , Ferrous Metal

### Material Notes:

DC magnetic applications such as pole pieces, cores, armatures, generator rotors and stator cores Equivalent ASTM Spec: B310-70, Type III, Class A 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-Iron-F-241-S1-Powdered-Metal.php](http://www.lookpolymers.com/polymer_PSM-Industries-Pacific-Sintered-Metals-Iron-F-241-S1-Powdered-Metal.php)

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	200 MPa	29000 psi	
Elongation at Break	7.0 %	7.0 %	1 in. gauge

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	11.2 Gauss	11.2 Gauss	
Magnetic Remanence, Br	9.7 Gauss	9.7 Gauss	

## Contact Songhan Plastic Technology Co.,Ltd.

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