

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

Category : Metal , Electronic/Magnetic Alloy , Ferrous Metal

**Material Notes:**

Low stressed mechanical components, Soft magnetic applications Equivalent MPIF Specification: F-0000-20 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-T-Powdered-Metal.php](http://www.lookpolymers.com/polymer_PSM-Industries-Pacific-Sintered-Metals-Iron-F-241-T-Powdered-Metal.php)

Physical Properties	Metric	English	Comments
Density	7.20 - 7.60 g/cc	0.260 - 0.275 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	80	80	
Tensile Strength, Ultimate	262 MPa	38000 psi	
Tensile Strength, Yield	172 MPa	25000 psi	
Elongation at Break	7.0 %	7.0 %	1 in. gauge
Tensile Modulus	145 GPa	21000 ksi	
Flexural Strength	655 MPa	95000 psi	Transverse Rupture
Charpy Impact, Unnotched	47.5 J	35.0 ft-lb	

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