

## PSM Industries Pacific Sintered Metals Nickel Iron FN-250-S Powdered Metal

Category : Metal , Ferrous Metal

**Material Notes:**

Good impact resistant mechanical components, Good hardenability Equivalent MPIF Specification: FN-0200-20 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-Nickel-Iron-FN-250-S-Powdered-Metal.php](http://www.lookpolymers.com/polymer_PSM-Industries-Pacific-Sintered-Metals-Nickel-Iron-FN-250-S-Powdered-Metal.php)

Physical Properties	Metric	English	Comments
Density	6.80 - 7.20 g/cc	0.246 - 0.260 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell F	75	75	
Tensile Strength, Ultimate	241 MPa	35000 psi	
Tensile Strength, Yield	172 MPa	25000 psi	
Elongation at Break	4.0 %	4.0 %	1 in. gauge
Tensile Modulus	138 GPa	20000 ksi	
Flexural Strength	552 MPa	80000 psi	Transverse Rupture
Charpy Impact, Unnotched	27.1 J	20.0 ft-lb	

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