

PSM Industries Pacific Sintered Metals Nickel Steel FN-255-S Powdered Metal

Category : Metal , Ferrous Metal

Material Notes:

Good impact resistant mechanical components, Good hardenability Equivalent MPIF Specification: FN-0205-25 Information Provided by Pacific Sintered Metals, a division of PSM Industries

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http://www.lookpolymers.com/polymer_PSM-Industries-Pacific-Sintered-Metals-Nickel-Steel-FN-255-S-Powdered-Metal.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	59	59	
Tensile Strength, Ultimate	345 MPa	50000 psi	
Tensile Strength, Yield	207 MPa	30000 psi	
Elongation at Break	3.0 %	3.0 %	1 in. gauge
Tensile Modulus	131 GPa	19000 ksi	
Flexural Strength	689 MPa	100000 psi	Transverse Rupture
Charpy Impact, Unnotched	16.3 J	12.0 ft-lb	

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