

## PSM Industries Pacific Sintered Metals 4600 FN-253-S(HT) Powdered Metal

Category : Metal , Ferrous Metal

**Material Notes:**

High performance material with high strength and wear resistance after heat treatment Equivalent MPIF Specification: FL-4605-100HT  
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-4600-FN-253-SHT-Powdered-Metal.php](http://www.lookpolymers.com/polymer_PSM-Industries-Pacific-Sintered-Metals-4600-FN-253-SHT-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 C	29	29	
Tensile Strength, Ultimate	689 MPa	100000 psi	
Elongation at Break	<= 0.50 %	<= 0.50 %	1 in. gauge
Tensile Modulus	124 GPa	18000 ksi	
Flexural Strength	1140 MPa	165000 psi	Transverse Rupture
Charpy Impact, Unnotched	6.10 J	4.50 ft-lb	

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