

## Pacific Sintered Materials F-244-S High Carbon Steel Powdered Metal

Category : Metal , Ferrous Metal , Carbon Steel , High Carbon Steel

### Material Notes:

Applications: Highly stressed mechanical components Good hardenability Equivalent MPIF Specification: F-0008-35 All information provided by Pacific Sintered Metals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Pacific-Sintered-Materials-F-244-S-High-Carbon-Steel-Powdered-Metal.php](http://www.lookpolymers.com/polymer_Pacific-Sintered-Materials-F-244-S-High-Carbon-Steel-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 B       | 70      | 70         | Apparent           |
| Tensile Strength, Ultimate | 393 MPa | 57000 psi  |                    |
| Tensile Strength, Yield    | 276 MPa | 40000 psi  |                    |
| Elongation at Break        | 1.0 %   | 1.0 %      |                    |
| Modulus of Elasticity      | 131 GPa | 19000 ksi  |                    |
| Flexural Strength          | 689 MPa | 100000 psi | Transverse Rupture |
| Charpy Impact, Unnotched   | 6.78 J  | 5.00 ft-lb |                    |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China