

PSM Industries Pacific Sintered Metals High Carbon Copper Steel FCC-214-S(HT) Powdered Metal

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

Material Notes:

High strength, Good impact resistant material for mechanical components, Excellent hardenability, High performance material with high strength and wear resistance after heat treatment Equivalent MPIF Specification: FC-0208-80HT 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-High-Carbon-Copper-Steel-FCC-214-SHT-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 C | 35 | 35 | |
| Tensile Strength, Ultimate | 621 MPa | 90000 psi | |
| Elongation at Break | <= 1.0 % | <= 1.0 % | 1 in. gauge |
| Flexural Strength | 965 MPa | 140000 psi | Transverse Rupture |
| Charpy Impact, Unnotched | 6.78 J | 5.00 ft-lb | |

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