

H.C. Starck Amperit® 586.054 Chromium Carbide-Nickel Chromium 80-20 (Cr3C2-NiCr)

Category : Ceramic , Carbide

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_HC-Starck-Amperit-586054-Chromium-Carbide-Nickel-Chromium-80-20-Cr3C2-NiCr.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------------|-----------------------------------|----------------------------|
| Density | 2.30 - 3.00 g/cc | 0.0831 - 0.108 lb/in ³ | ASTM B212 |
| Particle Size | 10 µm | 10 µm | maximum of 3% less than |
| | 19 - 23 µm | 19 - 23 µm | 10% |
| | 32 - 40 µm | 32 - 40 µm | 50% |
| | 45 µm | 45 µm | maximum of 5% greater than |
| | 55 - 63 µm | 55 - 63 µm | 90% |
| | 88 µm | 88 µm | 100% less than |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|--------------|--------------|----------|
| Carbon, C | 9.5 - 11.5 % | 9.5 - 11.5 % | |
| Iron, Fe | <= 0.50 % | <= 0.50 % | |
| Nickel, Ni | 14 - 16 % | 14 - 16 % | |
| Oxygen, O | <= 0.60 % | <= 0.60 % | |

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