

H.C. Starck Amperit® 584.054 Chromium Carbide-Nickel Chromium 75-25 (Cr₃C₂-NiCr)

Category : Ceramic , Carbide

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_HC-Starck-Amperit-584054-Chromium-Carbide-Nickel-Chromium-75-25-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 2% less than |
| | 22 - 30 µm | 22 - 30 µm | 10% |
| | 31 - 39 µm | 31 - 39 µm | 50% |
| | 45 µm | 45 µm | maximum of 5% |
| | 55 - 63 µm | 55 - 63 µm | 90% |
| | 88 µm | 88 µm | 100% less than |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|-------------|-------------|----------|
| Carbon, C | 9.0 - 11 % | 9.0 - 11 % | |
| Chromium, Cr | 65.9 - 73 % | 65.9 - 73 % | |
| Iron, Fe | <= 0.50 % | <= 0.50 % | |
| Nickel, Ni | 18 - 22 % | 18 - 22 % | |
| Oxygen, O | <= 0.60 % | <= 0.60 % | |

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