

CIMBAR RP 9405 Talc

Category : Ceramic , Oxide , Other Engineering Material , Additive/Filler for Polymer

Material Notes:

RP 9400 Series talcs are produced from ores, which provide an excellent balance of mechanical properties at an economical price, for primary use in commodity polypropylene. RP 9400 Series talcs are platy, hydrophobic, non-abrasive and chemically inert. 9400 Series talcs industrial applications include: thermoplastics, thermosets, adhesives & mastics and rubber dusting. Information provided by Cimbar Performance Minerals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CIMBAR-RP-9405-Talc.php

| Physical Properties | Metric | English | Comments |
|------------------------------------|------------|---------------------------|-------------------------------|
| Specific Gravity | 2.78 g/cc | 2.78 g/cc | |
| Bulk Density | 0.384 g/cc | 0.0139 lb/in ³ | Loose |
| | 1.09 g/cc | 0.0394 lb/in ³ | Tapped |
| Brightness | 85 % | 85 % | Hunter Rd, dry |
| Oil Absorption | 26 % | 26 % | g oil/100 g filler; ASTM D281 |
| Moisture Absorption at Equilibrium | 0.30 % | 0.30 % | |
| Loss On Ignition | 17 % | 17 % | |
| Particle Size | 5.0 µm | 5.0 µm | @ 10% |
| | 6.5 µm | 6.5 µm | D50 |
| | 26 µm | 26 µm | @ 98% |
| Particle Mesh Size | 325 Mesh | 325 Mesh | 0.2% retained |
| pH | 9.2 | 9.2 | |

| Component Elements Properties | Metric | English | Comments |
|--------------------------------|----------|----------|----------|
| Al ₂ O ₃ | <= 1.0 % | <= 1.0 % | |
| CaO | <= 14 % | <= 14 % | |
| Fe ₂ O ₃ | <= 1.0 % | <= 1.0 % | |
| MgO | 24 % | 24 % | |
| SiO ₂ | 46 % | 46 % | |

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