

Imerys Kaolin Slurry

Category : Ceramic , Clay , Kaolin Clay

Material Notes:

Kaolin Slurry is a carefully controlled Kaolin-water suspension formulated for use in ceramic castings. Information provided by Imerys

Order this product through the following link:

http://www.lookpolymers.com/polymer_Imerys-Kaolin-Slurry.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------------------|--------------------------|----------------|
| Particle Size | 0.50 μm | 0.50 μm | 23% finer than |
| | 1.0 μm | 1.0 μm | 43% finer than |
| | 2.0 μm | 2.0 μm | 57% finer than |
| | 5.0 μm | 5.0 μm | 78% finer than |
| | 10 μm | 10 μm | 89% finer than |
| | 20 μm | 20 μm | 96% finer than |
| Particle Mesh Size | 325 Mesh | 325 Mesh | 5.0% retained |
| pH | 5.5 | 5.5 | |
| Specific Surface Area | 13 m^2/g | 13 m^2/g | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|-------------|-----------|----------|
| Modulus of Rupture | 0.00207 GPa | 0.300 ksi | dry |

| Component Elements Properties | Metric | English | Comments |
|--------------------------------|--------|---------|----------|
| Al ₂ O ₃ | 38.2 % | 38.2 % | |
| CaO | 0.10 % | 0.10 % | |
| Fe ₂ O ₃ | 0.50 % | 0.50 % | |
| K ₂ O | 0.20 % | 0.20 % | |
| Loss on Ignition(%) | 13.5 % | 13.5 % | |
| MgO | 0.10 % | 0.10 % | |
| Na ₂ O | 0.10 % | 0.10 % | |
| SiO ₂ | 45.3 % | 45.3 % | |
| TiO ₂ | 1.6 % | 1.6 % | |

| Component Elements Properties Descriptive Properties | Metric | English Value | Comments Comments |
|---|--------|------------------|----------------------|
| M.B.I. (meq/100g) | | 3.5 | |

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