

## Imerys KT-Cast/Rogersâ„¢ Kaolin

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Information provided by Imerys

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Imerys-KT-CastRogers-Kaolin.php](http://www.lookpolymers.com/polymer_Imerys-KT-CastRogers-Kaolin.php)

| Physical Properties | Metric   | English  | Comments       |
|---------------------|----------|----------|----------------|
| Particle Size       | 0.50 Åµm | 0.50 Åµm | 30% finer than |
|                     | 1.0 Åµm  | 1.0 Åµm  | 48% finer than |
|                     | 2.0 Åµm  | 2.0 Åµm  | 62% finer than |
|                     | 5.0 Åµm  | 5.0 Åµm  | 81% finer than |
|                     | 10 Åµm   | 10 Åµm   | 91% finer than |
|                     | 20 Åµm   | 20 Åµm   | 97% finer than |
| pH                  | 5.5      | 5.5      |                |

| Mechanical Properties | Metric      | English   | Comments |
|-----------------------|-------------|-----------|----------|
| Modulus of Rupture    | 0.00276 GPa | 0.400 ksi |          |

| Component Elements Properties | Metric  | English | Comments |
|-------------------------------|---------|---------|----------|
| Al2O3                         | 38.1 %  | 38.1 %  |          |
| CaO                           | 0.20 %  | 0.20 %  |          |
| Carbon, C                     | 0.050 % | 0.050 % |          |
| Fe2O3                         | 0.50 %  | 0.50 %  |          |
| K2O                           | 0.20 %  | 0.20 %  |          |
| Loss on Ignition(%)           | 13.6 %  | 13.6 %  |          |
| MgO                           | 0.10 %  | 0.10 %  |          |
| Na2O                          | 0.10 %  | 0.10 %  |          |
| SiO2                          | 45.1 %  | 45.1 %  |          |
| Sulfur, S                     | 0.060 % | 0.060 % |          |
| TiO2                          | 1.6 %   | 1.6 %   |          |

| Component Elements Properties<br>Descriptive Properties | Metric | English<br>Value | Comments<br>Comments |
|---------------------------------------------------------|--------|------------------|----------------------|
| M.B.I. (meq/100g)                                       |        | 4.5              |                      |

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