

## Unifrax Fiberfrax® 550 Ceramic Fiber Paper

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

550 paper is made from unwashed high-purity ceramic fiber. Its higher density and binders give performance properties ideal for most refractory applications. Information Provided by Unifrax I LLC

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unifrax-Fiberfrax-550-Ceramic-Fiber-Paper.php](http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-550-Ceramic-Fiber-Paper.php)

| Physical Properties | Metric     | English                    | Comments         |
|---------------------|------------|----------------------------|------------------|
| Density             | 0.192 g/cc | 0.00694 lb/in <sup>3</sup> |                  |
| Loss On Ignition    | 6.5 %      | 6.5 %                      | including binder |

| Mechanical Properties     | Metric      | English  | Comments        |
|---------------------------|-------------|----------|-----------------|
| Tensile Strength at Break | 0.131 MPa   | 19.0 psi | As manufactured |
| Tensile Strength, Yield   | 0.703 MPa   | 102 psi  | As manufactured |
| Compressive Strength      | 0.00689 MPa | 1.00 psi | 10% deformation |
|                           | 0.0414 MPa  | 6.00 psi | 25% deformation |
|                           | 0.241 MPa   | 35.0 psi | 50% deformation |

| Thermal Properties               | Metric  | English | Comments                          |
|----------------------------------|---------|---------|-----------------------------------|
| Melting Point                    | 1793 °C | 3259 °F |                                   |
| Maximum Service Temperature, Air | 1100 °C | 2010 °F | Recommended Operating Temperature |

| Component Elements Properties | Metric    | English   | Comments |
|-------------------------------|-----------|-----------|----------|
| Al2O3                         | 47 - 52 % | 47 - 52 % |          |
| Fe2O3                         | <= 0.50 % | <= 0.50 % |          |
| SiO2                          | 48 - 53 % | 48 - 53 % |          |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color                  | White |          |
| Fiber Index (% Wt)     | 50    |          |
| Na2O3 (%)              | <0.5  |          |

| Temperature Grade (°C)<br>Descriptive Properties | 1250<br>Value | Comments |
|--------------------------------------------------|---------------|----------|
|--------------------------------------------------|---------------|----------|

## Contact Songhan Plastic Technology Co.,Ltd.

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