

## Skamol Group Exfoliated/Loose Vermiculite Loose Vermiculite

Category : Ceramic , Oxide , Silicon Oxide

### Material Notes:

SKAMOL exfoliated vermiculite has the following characteristics: Max. service temperature: Up to 1200°C (2192°F) Good thermal insulating properties Low density Low heat capacity Absorbing and free-flowing Non-combustible Insoluble in water and organic solvents Highly suitable as loose-fill insulation in e.g. cavities, castables, and plastic materials and as fire protection in chipboards Used in steelworks and foundries for hot topping molten steel Due to absorbing and free-flowing properties also an excellent absorbent for spillage of oil, grease, chemicals and other liquids for environmental safety. Information provided by Skamol.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Skamol-Group-ExfoliatedLoose-Vermiculite-Loose-Vermiculite.php](http://www.lookpolymers.com/polymer_Skamol-Group-ExfoliatedLoose-Vermiculite-Loose-Vermiculite.php)

| Physical Properties | Metric                            | English                              | Comments  |
|---------------------|-----------------------------------|--------------------------------------|---|
| Specific Gravity    | 2.60 g/cc                         | 2.60 g/cc                            | crude vermiculite   |
| Bulk Density        | 0.0601 - 0.128 g/cc               | 0.00217 - 0.00463 lb/in <sup>3</sup> | As Produced   |
| Loss On Ignition    | 9.00 %<br>@Temperature 1025<br>°C | 9.00 %<br>@Temperature 1877<br>°F    |   |
| pH                  | 7.0                               | 7.0                                  | Owing to the presence of associated carbonate compounds the reactions normally slightly alkaline. |

| Thermal Properties               | Metric       | English                                 | Comments               |
|----------------------------------|--------------|---|------------------------|
| Specific Heat Capacity           | 1.03 J/g-°C  | 0.246 BTU/lb-°F                         |                        |
| Thermal Conductivity             | 0.0690 W/m-K | 0.479 BTU-in/hr-ft <sup>2</sup> -<br>°F | at ambient temperature |
| Melting Point                    | 1330 °C      | 2430 °F                                 | approx.                |
| Maximum Service Temperature, Air | 1000 °C      | 1830 °F                                 |                        |

| Component Elements Properties  | Metric | English | Comments |
|--------------------------------|--------|---------|----------|
| Al <sub>2</sub> O <sub>3</sub> | 9.0 %  | 9.0 %   |          |
| CaO                            | 2.0 %  | 2.0 %   |          |
| Fe <sub>2</sub> O <sub>3</sub> | 6.0 %  | 6.0 %   |          |
| K <sub>2</sub> O               | 5.0 %  | 5.0 %   |          |
| MgO                            | 27 %   | 27 %    |          |

| <sup>Na2O</sup><br>Component Elements Properties | <sup>1.0 %</sup><br>Metric | <sup>1.0 %</sup><br>English | Comments |
|--|----------------------------|-----------------------------|----------|
| SiO2   | 40 %                       | 40 %                        |          |
| TiO2   | 1.0 %                      | 1.0 %                       |          |

| Processing Properties | Metric   | English  | Comments    |
|-----------------------|----------|----------|-------------|
| Sintering Temperature | 1260 Â°C | 2300 Â°F | approximate |

| Descriptive Properties     | Value   | Comments  |
|----------------------------|---|---|
| Cation Exchange Properties | 600 milliequivalents                                      | The exchangeable cation normally present in magnesium. per 100 grams. |
| Chemical Resistance        | inert, rot-proof, insoluble in water and organic solvents |   |
| Color                      | Light Brown   |   |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China