

## GrafTech GRAFOIL<sup>®</sup> TG679 Expanded Natural Graphite Powder

Category : Carbon , Graphite

### Material Notes:

GRAFOIL<sup>®</sup> Grade TG679 is an expanded natural graphite powder with consistent purity and good lubrication properties. Typical applications include using the graphite powder as an electrically conductive additive or as a thermal transfer enhancement in plastics and foams or as a lubricant. GRAFOIL<sup>®</sup> Grade TG679 has Nano particle-like properties at the macro particle pricing level.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_GrafTech-GRAFOIL-TG679-Expanded-Natural-Graphite-Powder.php](http://www.lookpolymers.com/polymer_GrafTech-GRAFOIL-TG679-Expanded-Natural-Graphite-Powder.php)

| Physical Properties                | Metric               | English                    | Comments                   |
|------------------------------------|----------------------|----------------------------|----------------------------|
| Density                            | 0.0620 g/cc          | 0.00224 lb/in <sup>3</sup> | A.D. (Scott)               |
| Moisture Absorption at Equilibrium | 0.30 %               | 0.30 %                     | 0.5% max                   |
| Particle Size                      | 2.5 Åµm              | 2.5 Åµm                    | Typical Particle Thickness |
| Specific Surface Area              | 20 m <sup>2</sup> /g | 20 m <sup>2</sup> /g       |                            |
| Ash                                | 2.5 %                | 2.5 %                      | 3.5% max                   |

| Component Elements Properties | Metric    | English   | Comments |
|-------------------------------|-----------|-----------|----------|
| Aluminum, Al                  | 0.10 %    | 0.10 %    |          |
| Barium, Ba                    | 0.00040 % | 0.00040 % |          |
| Calcium, Ca                   | 0.26 %    | 0.26 %    |          |
| Chromium, Cr                  | 0.00040 % | 0.00040 % |          |
| Copper, Cu                    | 0.00090 % | 0.00090 % |          |
| Iron, Fe                      | 0.21 %    | 0.21 %    |          |
| Magnesium, Mg                 | 0.16 %    | 0.16 %    |          |
| Manganese, Mn                 | 0.0016 %  | 0.0016 %  |          |
| Molybdenum, Mo                | 0.0012 %  | 0.0012 %  |          |
| Silicon, Si                   | 0.50 %    | 0.50 %    |          |
| Sulfur, S                     | 0.050 %   | 0.050 %   |          |
| Titanium, Ti                  | 0.0070 %  | 0.0070 %  |          |
| Vanadium, V                   | 0.00050 % | 0.00050 % |          |

## **Contact Songhan Plastic Technology Co.,Ltd.**

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