

## BASF Ultramid® 8266G HS BK-102 15/25% Glass/Mineral Filled PA6 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass/Mineral Reinforced

### Material Notes:

Ultramid 8266G HS is a heat stabilized, 40% glass and mineral reinforced nylon 6 injection molding compound resulting in a balance of engineering properties with excellent dimensional stability, low warp and good resistance to sink mark formation. It exhibits high strength, rigidity, and heat distortion temperature. Its resistance to creep under load is excellent. It maintains its inherent chemical resistance to greases, oils and hydrocarbons.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-8266G-HS-BK-102-1525-GlassMineral-Filled-PA6-Dry.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-8266G-HS-BK-102-1525-GlassMineral-Filled-PA6-Dry.php)

| Physical Properties   | Metric       | English      | Comments          |
|-----------------------|--------------|--------------|-------------------|
| Water Absorption      | 1.3 %        | 1.3 %        | 24 hour; ISO Test |
| Linear Mold Shrinkage | 0.0040 cm/cm | 0.0040 in/in | ASTM Data; MD     |

| Mechanical Properties      | Metric                           | English                               | Comments              |
|----------------------------|----------------------------------|---------------------------------------|-----------------------|
| Hardness, Rockwell R       | 119                              | 119                                   | ASTM Test             |
| Tensile Strength at Break  | 130 MPa                          | 18900 psi                             | 0.2 in/min; ASTM Test |
| Elongation at Break        | 2.5 %                            | 2.5 %                                 | 0.2 in/min; ASTM Test |
| Izod Impact, Notched       | 0.530 J/cm<br>@Thickness 3.17 mm | 0.993 ft-lb/in<br>@Thickness 0.125 in | ASTM Test             |
| Izod Impact, Notched (ISO) | 5.80 kJ/m <sup>2</sup>           | 2.76 ft-lb/in <sup>2</sup>            | ISO Test              |

| Thermal Properties | Metric  | English   | Comments  |
|--------------------|---|---|-----------|
| CTE, linear        | 31.0 µm/m-°C<br>@Temperature -30.0 -<br>30.0 °C | 17.2 µin/in-°F<br>@Temperature -22.0 -<br>86.0 °F | ASTM Test |

| Descriptive Properties       | Value             | Comments |
|------------------------------|-------------------|----------|
| Color                        | BK-102            |          |
| Commercial Status            | Active America    |          |
| Impact Modified              | No                |          |
| Primary Processing Technique | Injection Molding |          |
| UL.UL-C                      | Yes               |          |

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

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