

## Qualchem Danamid AFGFH-30 Polyamide 66, 30% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

Reinforced with glass fiber. Heat stabilized, for long-lasting use at 120-140°C. Information provided by Qualchem Zrt.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Qualchem-Danamid-AFGFH-30-Polyamide-66-30-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Qualchem-Danamid-AFGFH-30-Polyamide-66-30-Glass-Fiber.php)

| Physical Properties | Metric    | English                   | Comments  |
|---------------------|-----------|---------------------------|-----------|
| Density             | 1.36 g/cc | 0.0491 lb/in <sup>3</sup> | DIN 53479 |
| Filler Content      | 28 - 32 % | 28 - 32 %                 |           |

| Mechanical Properties     | Metric  | English  | Comments               |
|---------------------------|---|--|------------------------|
| Tensile Strength at Break | >= 150 MPa  | >= 21800 psi   | 50 mm/min; ISO 527-1,2 |
| Elongation at Break       | 4.0 %   | 4.0 %  | ISO 527-1,2            |
| Tensile Modulus           | >= 9.30 GPa   | >= 1350 ksi  | ISO 527-1,2            |
| Charpy Impact Unnotched   | >= 2.50 J/cm <sup>2</sup><br>@Temperature 23.0 °C   | >= 11.9 ft-lb/in <sup>2</sup><br>@Temperature 73.4 °F  | DIN 53453              |
| Charpy Impact, Notched    | >= 0.600 J/cm <sup>2</sup><br>@Temperature -20.0 °C | >= 2.86 ft-lb/in <sup>2</sup><br>@Temperature -4.00 °F | DIN 53453              |
|                           | >= 0.800 J/cm <sup>2</sup><br>@Temperature 23.0 °C  | >= 3.81 ft-lb/in <sup>2</sup><br>@Temperature 73.4 °F  | DIN 53453              |

| Thermal Properties                          | Metric                   | English                   | Comments  |
|---|--------------------------|---------------------------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 250 °C                   | 482 °F                    | DIN 53461 |
| Deflection Temperature at 1.8 MPa (264 psi) | 230 °C                   | 446 °F                    | DIN 53461 |
| Flammability, UL94                          | HB<br>@Thickness 4.00 mm | HB<br>@Thickness 0.157 in | MSZ 10383 |

| Electrical Properties      | Metric          | English         | Comments  |
|----------------------------|-----------------|-----------------|-----------|
| Volume Resistivity         | 1.00e+14 ohm-cm | 1.00e+14 ohm-cm | DIN 53482 |
| Comparative Tracking Index | 500 V           | 500 V           | IEC 112   |

| Processing Properties | Metric      | English     | Comments  |
|-----------------------|-------------|-------------|-----------|
| Moisture Content      | 1.5 - 1.8 % | 1.5 - 1.8 % | DIN 53714 |

## Contact Songhan Plastic Technology Co.,Ltd.

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