

## Qualchem Danamid AFE Polyamide 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

Standard type polyamide with good flowing propertiesInformation provided by Qualchem Zrt.

Order this product through the following link:

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

| Physical Properties | Metric    | English                   | Comments  |
|---------------------|-----------|---------------------------|-----------|
| Density             | 1.15 g/cc | 0.0415 lb/in <sup>3</sup> | DIN 53479 |

| Mechanical Properties   | Metric                  | English                    | Comments               |
|-------------------------|-------------------------|----------------------------|------------------------|
| Tensile Strength, Yield | 80.0 MPa                | 11600 psi                  | 50 mm/min; ISO 527-1,2 |
| Elongation at Yield     | 4.0 %                   | 4.0 %                      | ISO 527-1,2            |
| Charpy Impact Unnotched | NB                      | NB                         | DIN 53453              |
|                         | @Temperature -20.0 °C   | @Temperature -4.00 °F      |                        |
|                         | NB                      | NB                         | DIN 53453              |
|                         | @Temperature 23.0 °C    | @Temperature 73.4 °F       |                        |
| Charpy Impact, Notched  | 0.300 J/cm <sup>2</sup> | 1.43 ft-lb/in <sup>2</sup> | DIN 53453              |
|                         | @Temperature -20.0 °C   | @Temperature -4.00 °F      |                        |
|                         | 0.400 J/cm <sup>2</sup> | 1.90 ft-lb/in <sup>2</sup> | DIN 53453              |
|                         | @Temperature 23.0 °C    | @Temperature 73.4 °F       |                        |

| Thermal Properties                          | Metric             | English             | Comments  |
|---------------------------------------------|--------------------|---------------------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 220 °C             | 428 °F              | DIN 53461 |
| Deflection Temperature at 1.8 MPa (264 psi) | 75.0 °C            | 167 °F              | DIN 53461 |
| Flammability, UL94                          | HB                 | HB                  | MSZ 10383 |
|                                             | @Thickness 4.00 mm | @Thickness 0.157 in |           |

| Electrical Properties      | Metric          | English         | Comments  |
|----------------------------|-----------------|-----------------|-----------|
| Volume Resistivity         | 1.00e+15 ohm-cm | 1.00e+15 ohm-cm | DIN 53482 |
| Comparative Tracking Index | 450 V           | 450 V           | IEC 112   |

| Processing Properties | Metric      | English     | Comments  |
|-----------------------|-------------|-------------|-----------|
| Moisture Content      | 2.0 - 2.2 % | 2.0 - 2.2 % | DIN 53714 |

## Contact Songhan Plastic Technology Co.,Ltd.

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