

BASF Ultramid® 7423-2 NF3001 13% Glass Filled PA66 (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled

Material Notes:

Ultramid 7423-2 NF3001 is an impact modified, 13% glass reinforced, heat stabilized injection molding PA6/6.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Ultramid-7423-2-NF3001-13-Glass-Filled-PA66-Conditioned.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|---------------|
| Density | 1.18 g/cc | 0.0426 lb/in ³ | dry; ISO 1183 |
| Linear Mold Shrinkage | 0.0050 cm/cm | 0.0050 in/in | ASTM Data; MD |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|--|---|------------------|
| Tensile Strength, Ultimate | 86.0 MPa | 12500 psi | 5mm/min; ISO 527 |
| Elongation at Break | 10 % | 10 % | 5mm/min; ISO 527 |
| Tensile Modulus | 4.00 GPa | 580 ksi | 1mm/min; ISO 527 |
| Flexural Modulus | 3.50 GPa | 508 ksi | ISO Data |
| Izod Impact, Notched (ISO) | 14.0 kJ/m ² | 6.66 ft-lb/in ² | ISO Test |
| Charpy Impact Unnotched | 8.30 J/cm ² | 39.5 ft-lb/in ² | ISO 179 |
| | 8.10 J/cm ² @Temperature -30.0 °C | 38.5 ft-lb/in ² @Temperature -22.0 °F | ISO 179 |
| Charpy Impact, Notched | 1.40 J/cm ² | 6.66 ft-lb/in ² | ISO 179 |
| | 0.500 J/cm ² @Temperature -30.0 °C | 2.38 ft-lb/in ² @Temperature -22.0 °F | ISO 179 |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|-----------|
| Melting Point | 257 °C | 495 °F | 10 K/min |
| | 257 °C | 495 °F | ASTM Test |

| Descriptive Properties | Value | Comments |
|------------------------|----------------|----------|
| Color | Natural | |
| Commercial Status | Active America | |
| Impact Modified | Yes | |

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