

Ashley Polymers Ashlene® 520-33GU Nylon 66, 33% Glass Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Nylon 66, 33% glass reinforced resin, utility grade for non-critical applications. Also available: 520S - 33GU Heat Stabilized, 520 - 33GBU Black, 520S - 33GBU Black with H.S.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-520-33GU-Nylon-66-33-Glass-Reinforced.php

| Physical Properties | Metric | English | Comments |
|--------------------------------|-----------|---------------------------|-------------------|
| Density | 1.37 g/cc | 0.0495 lb/in ³ | ASTM D792 |
| Water Absorption | 0.80 % | 0.80 % | 24 hrs. ASTM D570 |
| Water Absorption at Saturation | 5.4 % | 5.4 % | ASTM D570 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-----------|---------------|-----------|
| Hardness, Rockwell R | 118 | 118 | ASTM D785 |
| Tensile Strength, Ultimate | 131 MPa | 19000 psi | ATSM D638 |
| Elongation at Yield | 3.0 % | 3.0 % | ASTM D638 |
| Flexural Modulus | 7.20 GPa | 1040 ksi | ASTM D790 |
| Izod Impact, Notched | 1.01 J/cm | 1.89 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---------------------------------------------|--------|---------|------------|
| Melting Point | 252 °C | 486 °F | ASTM D3418 |
| Deflection Temperature at 0.46 MPa (66 psi) | 252 °C | 486 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 243 °C | 469 °F | ASTM D648 |

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