

ExxonMobil Exxtral™ BMU130P Performance Polyolefin

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin characterized by a good stiffness/toughness balance for automotive exterior applications such as bumper fascia. **Availability:** Asia Pacific, Europe, South America and North America **Features:** Balanced Stiffness/Toughness Ductile High Impact Resistance Low Temperature Impact Resistance **Uses:** Automotive Bumper Automotive Exterior Parts Automotive Exterior Trim **Processing Method:** Injection Molding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-BMU130P-Performance-Polyolefin.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------------|---------------------------|------------|
| Density | 0.970 g/cc | 0.0350 lb/in ³ | ISO 1183/A |
| Melt Flow | 1.08 g/10 min | 1.08 g/10 min | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|--|---|-------------------------|
| Tensile Strength at Break | 12.5 MPa | 1810 psi | ISO 527-2 |
| Tensile Strength, Yield | 16.5 MPa | 2390 psi | ISO 527-2 |
| Elongation at Break | 54 % | 54 % | ISO 527-2 |
| Elongation at Yield | 3.9 % | 3.9 % | ISO 527-2 |
| Tensile Modulus | 1.34 GPa | 194 ksi | Secant; ISO 527-2 |
| Charpy Impact, Notched | 0.693 J/cm ² @Temperature -30.0 °C | 3.30 ft-lb/in ² @Temperature -22.0 °F | Complete Break; ISO 179 |
| | 0.903 J/cm ² @Temperature 0.000 °C | 4.30 ft-lb/in ² @Temperature 32.0 °F | Complete Break; ISO 179 |
| | 6.30 J/cm ² @Temperature 22.8 °C | 30.0 ft-lb/in ² @Temperature 73.0 °F | Partial Break; ISO 179 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 48.9 °C | 120 °F | ISO 75-2/A |

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