

ExxonMobil Exxtral™ HMU 234 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin, black colored, with high stiffness, high heat stabilization, low emissions and low odor for automotive HVAC and under-the-hood applications. **Availability:** Africa & Middle East, Asia Pacific, Europe, South America and North America **Features:** Good Dimensional Stability Low Emissions Low to No Fogging Low to No Odor Ultra High Stiffness **Uses:** Automotive Applications Automotive Interior Parts Automotive Under the Hood **Processing Method:** Injection Molding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-HMU-234-Performance-Polyolefin.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|----------|
| Density | 1.07 g/cc | 0.0387 lb/in ³ | ISO 1183 |
| Melt Flow | 10 g/10 min @Load 2.16 kg, Temperature 230 °C | 10 g/10 min @Load 4.76 lb, Temperature 446 °F | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|---|--|-------------------------|
| Tensile Strength at Break | 25.0 MPa | 3630 psi | ISO 527-2/50 |
| Tensile Strength, Yield | 34.0 MPa | 4930 psi | ISO 527-2/50 |
| Elongation at Break | 18 % | 18 % | ISO 527-2/50 |
| Elongation at Yield | 4.0 % | 4.0 % | ISO 527-2/50 |
| Tensile Modulus | 3.20 GPa | 464 ksi | Secant; ISO 527-2 |
| Charpy Impact, Notched | 0.336 J/cm ² @Temperature 22.8 °C | 1.60 ft-lb/in ² @Temperature 73.0 °F | Complete Break; ISO 179 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 63.9 °C | 147 °F | ISO 75-2/A |

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