INFUSE™ 9530 Olefin Block Copolymer

Overview

INFUSE™ 9530 Olefin Block Copolymer is a high performance olefin block copolymer that has excellent flow characteristics and performs well in a wide range of general purpose thermoplastic elastomer applications, such as injection molding and profile extrusion.

INFUSE 9530 provides outstanding haptics in over molding applications with polypropylene (PP) and Polyethylene (PE). In addition, its lower density can help control resin and production costs, while reducing the weight of end products.

Main Characteristics:
- High upper service temperature performance
- Highly flexible with good elastic recovery
- Fast set up times for processability
- General purpose elastomer
- Excellent for compounds and blends

Complies with
- EU, No 10/2011
- U.S. FDA FCN 424

Consult the regulations for complete details.

Additive
- Antblock: No
- Slip: No
- Processing Aid: No

<table>
<thead>
<tr>
<th>Physical</th>
<th>Nominal Value</th>
<th>(English)</th>
<th>Nominal Value</th>
<th>(SI)</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>0.887 g/cm³</td>
<td>0.887 g/cm³</td>
<td>ASTM D792</td>
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</tr>
<tr>
<td>Melt Index (190°C/2.16 kg)</td>
<td>5.0 g/10 min</td>
<td>5.0 g/10 min</td>
<td>ASTM D1238</td>
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<tr>
<th>Mechanical</th>
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<tbody>
<tr>
<td>Tensile Modulus - 100% Secant (Compression Molded)</td>
<td>554 psi</td>
<td>3.82 MPa</td>
<td>ASTM D638</td>
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<tr>
<td>Tensile Strength (Break, Compression Molded)</td>
<td>1070 psi</td>
<td>7.37 MPa</td>
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<tr>
<td>Tensile Elongation Break, Compression Molded</td>
<td>1000 %</td>
<td>1000 %</td>
<td>ASTM D638</td>
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<th>Elastomers</th>
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<tbody>
<tr>
<td>Tensile Strength (Break)</td>
<td>2470 psi</td>
<td>17.0 MPa</td>
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<td>Tensile Elongation (Break)</td>
<td>1300 %</td>
<td>1300 %</td>
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<td>Tear Strength</td>
<td>297 lbf/in</td>
<td>52.0 kN/m</td>
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<td>Compression Set</td>
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<td>ASTM D395</td>
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<tr>
<td>70°F (21°C)</td>
<td>20 %</td>
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<tr>
<td>158°F (70°C)</td>
<td>45 %</td>
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<table>
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<th>Hardness</th>
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<tbody>
<tr>
<td>Durometer Hardness Shore A, Compression Molded</td>
<td>83</td>
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<td>ASTM D2240</td>
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<th>(SI)</th>
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<tbody>
<tr>
<td>Melting Temperature (DSC)</td>
<td>246 °F</td>
<td>119 °C</td>
<td>Dow Method</td>
<td></td>
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<tr>
<td>TMA 1 (1.0 in (2.54 cm))</td>
<td>232 °F</td>
<td>111 °C</td>
<td>Dow Method</td>
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Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

1 1N, 5°C/min
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