Maximize Packaging Performance with DuraTemp™ Polypropylene

From production to distribution to point of sale, transporting and storing consumer products without breakage presents challenges for brands and retailers. With traditional polymers, exposure to extreme heat or cold can cause packaging to crack or break – resulting in waste and customer disappointment.

Designed for Durability, Heat and Cold

DuraTemp™ polypropylene is a specialty resin designed for impact resistance in heat as well as freezer and refrigerator temperatures. Unlike other polypropylenes, DuraTemp™ grades are tested to withstand drops of up to 7 feet, in temperatures as low as -20°C.

With DuraTemp™ Polypropylene, you can:
- Reduce breakage during shipping
- Eliminate unnecessary packing materials
- See the difference in clarity and feel the lighter weight compared with other impact polymers

Achieving Results Together

INVISTA has the technology, expertise and a range of DuraTemp™ polypropylene options for caps, closures and packaging applications. We are equipped to customize grades, conduct detailed processing and shelflife trials to give you complete confidence in specifying our products.

10 Ways Customers Are Using DuraTemp™ Polypropylene

- Household products shipped through e-commerce sellers
- Ice cream containers
- Frozen food trays
- Shampoo bottles
- Beauty products
- Bottles for refrigerated noncarbonated beverages
- Snack packs
- Deli containers
- Food storage
- Microwavable packaging
Better Positioned to Meet Demand

Our world-scale facility in Longview, Texas, is solely dedicated to polypropylene production and new product development. INVISTA has more than 100 different grades of polypropylene to help you achieve the right balance of clarity, impact strength, barrier properties and more.

We produce more than 800 million pounds of polypropylene a year, giving you access to reliable, long-term supply. Located 200 miles inland from the Gulf Coast, we are in a better position to continue operating without interruption when weather affects supply chains along the shore.

Custom polypropylene from INVISTA gives your products an edge in the marketplace.

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<table>
<thead>
<tr>
<th>Grade</th>
<th>Melt Flow (g/10 min)</th>
<th>Izod @ 23C (ft-lb/in)</th>
<th>Tensile (psi)</th>
<th>Flex Modulus Tangent (kpsi)</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>P9R2M-062</td>
<td>2.2</td>
<td>9.5</td>
<td>3900</td>
<td>159</td>
<td>Impact resistant with good contact clarity, best suited for refrigerated temperatures or above</td>
</tr>
<tr>
<td>DT2021-NB</td>
<td>2.3</td>
<td>No Break</td>
<td>3390</td>
<td>150</td>
<td>Nucleated, designed for demanding blow molding applications, good contact clarity</td>
</tr>
<tr>
<td>DT2024-CT</td>
<td>2.3</td>
<td>No Break</td>
<td>3770</td>
<td>160</td>
<td>Clarified, designed for thermoforming and less demanding blow molding applications, excellent contact clarity</td>
</tr>
<tr>
<td>DT3022-CB</td>
<td>2.3</td>
<td>No Break</td>
<td>3420</td>
<td>150</td>
<td>Clarified, designed for demanding blow molding applications, excellent contact clarity</td>
</tr>
<tr>
<td>DT2023-NT</td>
<td>2.3</td>
<td>No Break</td>
<td>3770</td>
<td>160</td>
<td>Nucleated, designed for thermoforming and less demanding blow molding applications, good contact clarity</td>
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<tr>
<td>DT1302-CM</td>
<td>30</td>
<td>5.9</td>
<td>3670</td>
<td>136</td>
<td>Clarified, designed for injection molding, e-commerce grade for small parts, good impact and haze, very good contact clarity</td>
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<tr>
<td>P9M6K-041A</td>
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<td>6.0</td>
<td>3560</td>
<td>128</td>
<td>Clarified, designed for injection molding, best suited for refrigerated or higher conditions</td>
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<tr>
<td>DT3300-CM</td>
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<td>2.5</td>
<td>3490</td>
<td>160</td>
<td>Clarified, designed for injection molding, good contact clarity</td>
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<tr>
<td>P9C7K-053</td>
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<td>5.4</td>
<td>3118</td>
<td>106</td>
<td>Clarified, high flow injection molding grade, best suited for thin-walled refrigerated or higher conditions</td>
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</tbody>
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Contact us to get started today at polypropylene@invista.com.