General Information

Product Description

Pro-fax PD702 polypropylene homopolymer is available in pellet form. This resin is typically used in injection molding applications.

For regulatory compliance information see Pro-fax PD702 Product Stewardship Bulletin (PSB).

General

Material Status
• Commercial: Active

Regional Availability
• North America

Features
• Good Dimensional Stability
• Good Processability

Uses
• Caps
• Closures
• Containers

Forms
• Pellets

Processing Method
• Injection Molding

ASTM & ISO Properties

<table>
<thead>
<tr>
<th>Physical</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density / Specific Gravity</td>
<td>0.900</td>
<td>0.900</td>
<td>ASTM D792B</td>
</tr>
<tr>
<td>Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)</td>
<td>35 g/10 min</td>
<td>35 g/10 min</td>
<td>ASTM D1238</td>
</tr>
</tbody>
</table>

Mechanical

<table>
<thead>
<tr>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength 2 (Yield)</td>
<td>4500 psi</td>
<td>31.0 MPa</td>
</tr>
<tr>
<td>Tensile Elongation (Yield)</td>
<td>12 %</td>
<td>12 %</td>
</tr>
<tr>
<td>Flexural Modulus - 1% Secant 3</td>
<td>170000 psi</td>
<td>1170 MPa</td>
</tr>
</tbody>
</table>

Impact

| Notched Izod Impact (73°F (23°C)) | 0.60 ft·lb/in | 32 J/m | ASTM D256A |

Thermal

| Deflection Temperature Under Load | 66 psi (0.45 MPa), Unannealed | 190 °F | 88.0 °C | ASTM D648 |

Notes

1 Typical properties: these are not to be construed as specifications.

2 2.0 in/min (50 mm/min)

3 0.051 in/min (1.3 mm/min)