Pro-fax 6323 general purpose polypropylene homopolymer is available in pellet form. This resin is typically used in injection molding applications.

An ASTM and ISO-based versions of the technical datasheet are available for Pro-fax 6323.

For regulatory compliance information see Pro-fax 6323 Product Stewardship Bulletin (PSB).

### General Information

**Material Status**
- Commercial: Active

**Regional Availability**
- North America

**Features**
- Good Stiffness
- Heat Aging Resistant
- High ESCR (Stress Crack Resist.)
- Homopolymer

**Uses**
- Automotive Applications
- Caps
- Closures
- Containers
- Sporting Goods
- Toys

### ASTM & ISO Properties

<table>
<thead>
<tr>
<th>Property</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>12 g/10 min</td>
<td>12 g/10 min</td>
<td>ASTM D1238</td>
</tr>
</tbody>
</table>

### Mechanical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>4930 psi</td>
<td>34.0 MPa</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Yield, 73°F (23°C)</td>
<td>4500 psi</td>
<td>31.0 MPa</td>
<td>ISO 527-2</td>
</tr>
</tbody>
</table>

### Flexural Modulus

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1% Secant</td>
<td>210000 psi</td>
<td>1450 MPa</td>
<td>ASTM D790A</td>
</tr>
<tr>
<td>3°F (23°C)</td>
<td>187000 psi</td>
<td>1290 MPa</td>
<td>ISO 178</td>
</tr>
</tbody>
</table>

### Impact Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charpy Notched Impact Strength (73°F (23°C))</td>
<td>2.0 ft·lb/in²</td>
<td>4.2 kJ/m²</td>
<td>ISO 179</td>
</tr>
</tbody>
</table>

### Agency Ratings
- EC 1907/2006 (REACH)

### Automotive Specifications
- CHRYSLER MS-DB-500 CPN2571

### Forms
- Pellets

### Processing Method
- Injection Molding
### Deflection Temperature Under Load

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>66 psi (0.45 MPa), Unannealed</td>
<td>199 °F</td>
<td>93.0 °C</td>
</tr>
<tr>
<td>66 psi (0.45 MPa), Unannealed</td>
<td>169 °F</td>
<td>76.0 °C</td>
</tr>
<tr>
<td>264 psi (1.8 MPa), Unannealed</td>
<td>120 °F</td>
<td>49.0 °C</td>
</tr>
</tbody>
</table>

**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)