Product Data Sheet &
General Processing Conditions

RTP 199 X 155657 A
Polypropylene (PP)
Cellulose Fiber
20% Renewable Resource Content*
High Flow
Preliminary Datasheet

*Based on % of total compound weight

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

<table>
<thead>
<tr>
<th>PERMANENCE</th>
<th>English</th>
<th>SI Metric</th>
<th>ASTM TEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Gravity</td>
<td>0.99</td>
<td>0.99</td>
<td>D 792</td>
</tr>
<tr>
<td>Molding Shrinkage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/8 in (3.2 mm) section</td>
<td>0.0020 - 0.0080 in/in</td>
<td>0.20 - 0.80 %</td>
<td>D 955</td>
</tr>
</tbody>
</table>

MECHANICAL

Impact Strength, Izod
- notched 1/8 in (3.2 mm) section
  1.0 ft-lbs/in
- unnotched 1/8 in (3.2 mm) section
  7.0 ft-lbs/in
Tensile Strength
  5000 psi
Tensile Elongation
  4.0 %
Tensile Modulus
  0.40 x 10^6 psi
Flexural Strength
  8000 psi
Flexural Modulus
  0.40 x 10^6 psi

THERMAL

Deflection Temperature
- @ 66 psi (455 kPa)
  270 °F
  132 °C
  D 648

PROPERTY NOTES

Data herein is typical and not to be construed as specifications.
Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

GENERAL PROCESSING FOR INJECTION MOLDING

<table>
<thead>
<tr>
<th>English</th>
<th>SI Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Injection Pressure</td>
<td>10000 - 15000 psi</td>
</tr>
<tr>
<td>Melt Temperature</td>
<td>340 - 400 °F</td>
</tr>
<tr>
<td>Mold Temperature</td>
<td>90 - 150 °F</td>
</tr>
<tr>
<td>Drying</td>
<td>4 hrs @ 175 °F</td>
</tr>
</tbody>
</table>

PROCESSING NOTES

Process at lowest temperature possible to prevent fiber degradation. Do not exceed 400 degrees Fahrenheit

3 Jan 2020 BJG

This information is intended to be used only as a guideline for designers and processors of modified thermoplastics. Because design and processing is complex, a set solution will not solve all problems. Observation on a “trial and error” basis may be required to achieve desired results.
Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.

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