Ryton® QA281N
polyphenylene sulfide

Ryton® QA281N (granular powder) polyphenylene sulfide exhibits excellent thermal stability and chemical resistance.

General

Material Status
• Commercial: Active

Availability
• Asia Pacific
• Europe
• Latin America
• North America

Features
• Chemical Resistant
• Good Thermal Stability

Uses
• Compounding

RoHS Compliance
• RoHS Compliant

Appearance
• Natural Color

Forms
• Powder

Physical

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
<th>Unit</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density / Specific Gravity</td>
<td>1.35</td>
<td></td>
<td>ASTM D792</td>
</tr>
<tr>
<td>Melt Mass-Flow Rate (MFR)¹</td>
<td>700</td>
<td>g/10 min</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td>Water Absorption (24 hr, 23°C)</td>
<td>0.050</td>
<td>%</td>
<td>ASTM D570</td>
</tr>
<tr>
<td>Ash Content</td>
<td>0.1</td>
<td>wt%</td>
<td>ISO 3451-1</td>
</tr>
<tr>
<td>Volatiles (150°C)</td>
<td>&lt; 0.3</td>
<td>wt%</td>
<td></td>
</tr>
</tbody>
</table>

Thermal

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
<th>Unit</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass Transition Temperature</td>
<td>90.0</td>
<td>°C</td>
<td>ISO 11357-2</td>
</tr>
<tr>
<td>Melting Temperature</td>
<td>285</td>
<td>°C</td>
<td>ISO 11357-3</td>
</tr>
</tbody>
</table>

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

¹ Procedure B
Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.

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