SABIC® POM
POLYOXYMETHYLENE COPOLYMER

CHEMISTRY THAT MATTERS™
A semi-crystalline thermoplastic material commonly referred to as acetal or polyacetal. SABIC® POM is suitable for highly engineered applications that require precision and durability. SABITAL™ is a sub-series of SABIC® POM, reinforced with glass-fiber content at different concentrations to enhance the mechanical properties.

**Key Properties:**
- High strength and stiffness.
- Superior chemical resistance.
- Low friction coefficient (Self Lubricating).
- Excellent wear properties.
- Good dimensional stability.
- Ease of machining.

**Applications:**
- Automotive
  - Seat belt buckle
  - Door handle
  - Speaker grill
  - Fuel cap
  - Fuel pump
- Plumbing & Irrigation
  - Pipe fitting
  - Water sprinkler
  - Shower head
- Electronic Appliances
  - Washing machines
  - Gears
  - Printers
  - Keyboard push buttons
- Consumer Articles
  - Zippers
  - Sporting goods
  - Toys
<table>
<thead>
<tr>
<th>SABIC® POM</th>
<th>Melt Index (g/10 min)*</th>
<th>Density (g/cm³)</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>POM 30RE</td>
<td>2.8</td>
<td>1.41</td>
<td>Stiff-flowing, voids free copolymer grade, suitable for extrusion. Good chemical resistance to solvents, fuel and strong alkalis in addition to its good hydrolysis resistance.</td>
</tr>
<tr>
<td>POM 30S</td>
<td>3</td>
<td>1.41</td>
<td>Stiff flowing copolymer grade, suitable for injection molding and extrusion. High impact toughness. Good tracking resistance over range of temperature.</td>
</tr>
<tr>
<td>POM 90S</td>
<td>9</td>
<td>1.41</td>
<td>General purpose standard injection molding grade. High rigidity, toughness and hardness.</td>
</tr>
<tr>
<td>POM 140S</td>
<td>14</td>
<td>1.41</td>
<td>Easy flowing injection molding grade for precision molded parts and thin-walled molded parts with high rigidity, high toughness and hardness.</td>
</tr>
<tr>
<td>POM 280S</td>
<td>27</td>
<td>1.41</td>
<td>Very easy flowing injection molding grade. High rigidity and hardness.</td>
</tr>
<tr>
<td>POM 460S</td>
<td>45</td>
<td>1.41</td>
<td>Extremely Easy flowing injection molding grade for thin-walled precision molded parts with complicated flowpath-wall thickness relation. Permits processing at reduced temperature and shorter cycle times.</td>
</tr>
</tbody>
</table>

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<tr>
<td>90GV10</td>
<td>8.4</td>
<td>1.48</td>
<td>Glass fiber compounded grade for injection moulding applications. Good flow and combination of strength and stiffness. Good dimensional stability.</td>
</tr>
<tr>
<td>90GV20</td>
<td>7</td>
<td>1.57</td>
<td>Glass fiber compounded grade for injection moulding applications. Moderate flow with higher strength, stiffness, hardness, and high HDT. Good dimensional stability</td>
</tr>
<tr>
<td>90GV30</td>
<td>6.4</td>
<td>1.60</td>
<td>Glass fiber compounded grade for injection moulding applications. Combination of very high strength, very high stiffness, hardness, and high HDT. Good dimensional stability.</td>
</tr>
</tbody>
</table>

*Please refer to datasheet for more information.*
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