**DOMAMID® 66G30**
Polyamide 66, 30% glass fibre, for injection moulding.

<table>
<thead>
<tr>
<th>TYPICAL PROPERTIES</th>
<th>CONDITION</th>
<th>STANDARD</th>
<th>UNIT</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PHYSICAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td></td>
<td>ISO 1183</td>
<td>[g/cm³]</td>
<td>1,35</td>
</tr>
<tr>
<td>Mold shrinkage parallel</td>
<td>72 hrs, 23°C, 50% RH</td>
<td>ISO 2577</td>
<td>[%]</td>
<td>0,6 - 1,1</td>
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<tr>
<td><strong>MECHANICAL</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Tensile modulus</td>
<td>1 mm/min</td>
<td>ISO 527</td>
<td>[MPa]</td>
<td>10000</td>
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<tr>
<td>Tensile stress at break</td>
<td>5 mm/min</td>
<td>ISO 527</td>
<td>[MPa]</td>
<td>180</td>
</tr>
<tr>
<td>Tensile strain at break</td>
<td>5 mm/min</td>
<td>ISO 527</td>
<td>[%]</td>
<td>3</td>
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<tr>
<td>Tensile stress at yield</td>
<td>5 mm/min</td>
<td>ISO 527</td>
<td>[MPa]</td>
<td>245</td>
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<tr>
<td>Flexural modulus</td>
<td>2 mm/min</td>
<td>ISO 178</td>
<td>[MPa]</td>
<td>8500</td>
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<tr>
<td>Izod impact unnotched</td>
<td>+23 °C</td>
<td>ISO 180/1A</td>
<td>[kJ/m²]</td>
<td>50</td>
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<tr>
<td>Izod impact notched</td>
<td>+23 °C</td>
<td>ISO 180/1A</td>
<td>[kJ/m²]</td>
<td>11</td>
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<tr>
<td>Hardness Rockwell</td>
<td></td>
<td>ISO 2039/2</td>
<td>[ScaleR]</td>
<td>120</td>
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<tr>
<td><strong>THERMAL</strong></td>
<td></td>
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<tr>
<td>Melting point</td>
<td>DSC</td>
<td>ISO 11357-1</td>
<td>[°C]</td>
<td>260 ± 2</td>
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<tr>
<td>Heat Deflection Temperature (HDT-B)</td>
<td>0,45 MPa</td>
<td>ISO 75</td>
<td>[°C]</td>
<td>255</td>
</tr>
<tr>
<td>Heat Deflection Temperature (HDT-A)</td>
<td>1,80 MPa</td>
<td>ISO 75</td>
<td>[°C]</td>
<td>250</td>
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<tr>
<td>VICAT softening temperature</td>
<td>50°C/h - 50N</td>
<td>ISO 306</td>
<td>[°C]</td>
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<tr>
<td><strong>ELECTRICAL</strong></td>
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<tr>
<td>Volume resistivity</td>
<td>IEC 93</td>
<td>[Ω·cm]</td>
<td>10¹⁵</td>
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</tr>
<tr>
<td>Surface resistivity</td>
<td>IEC 93</td>
<td>[Ω]</td>
<td>10¹³</td>
<td></td>
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<tr>
<td>Comparative Tracking Index (CTI)</td>
<td>Solution A</td>
<td>IEC 112</td>
<td>[V]</td>
<td>500</td>
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<tr>
<td><strong>BURNING BEHAVIOUR</strong></td>
<td></td>
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<tr>
<td>Flammability</td>
<td>0,8 mm</td>
<td>UL 94</td>
<td>[Class]</td>
<td>HB</td>
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<tr>
<td>Glow Wire Flammability Index (GWFI)</td>
<td>1 - 3 mm</td>
<td>IEC 60695-2-12</td>
<td>[°C]</td>
<td>650</td>
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<tr>
<td>Burning rate (FMVSS)</td>
<td></td>
<td>FMVSS 302</td>
<td>[mm/min]</td>
<td>&lt; 100</td>
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</tbody>
</table>

Test run at 23°C if not differently specified, DAM state (dry as moulded), valid for natural colored products.

**PROCESSING CONDITIONS:**
- Drying temperature/time: 75-85°C/4-6h
- Recommended melt temperature: 260-285 °C
- Recommended mould temperature: 80-120 °C

These parameters are typical of the product but should be related to the type of machinery used and to the type of moulded part.

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