Armlen PP MD 40-4M

A 40% mineral filled polypropylene. Designed for injection moulding of items and parts for a wide solutions range: construction, electronics, auto industry, machine engineering, aviation, fire safety equipment, household, transportation etc. Including products exploited outdoor in natural light, precipitation and other weather factors. Available in natural color.

<table>
<thead>
<tr>
<th>Properties</th>
<th>Test method</th>
<th>Unit</th>
<th>Typical value</th>
</tr>
</thead>
<tbody>
<tr>
<td>MISCELLANEOUS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>ISO 1183</td>
<td>kg/m³</td>
<td>1220</td>
</tr>
<tr>
<td>Yield Stress</td>
<td>ISO 527</td>
<td>50mm/min</td>
<td>18</td>
</tr>
<tr>
<td>Strain at Break</td>
<td>ISO 527-1</td>
<td>%</td>
<td>85</td>
</tr>
<tr>
<td>Flexural Stress at maximum load</td>
<td>ISO 178</td>
<td>MPa</td>
<td>30</td>
</tr>
<tr>
<td>Tensile Modulus</td>
<td>ISO 178</td>
<td>MPa</td>
<td>2100</td>
</tr>
<tr>
<td>Charpy Impact Strength at +23°C (un-notched)</td>
<td>ISO 179-1</td>
<td>kJ/m²</td>
<td>60</td>
</tr>
<tr>
<td>Charpy Impact Strength at -30°C (notched)</td>
<td>ISO 179-1</td>
<td>kJ/m²</td>
<td>20</td>
</tr>
<tr>
<td>THERMAL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting Point</td>
<td>ISO 11357</td>
<td>°C</td>
<td>162</td>
</tr>
<tr>
<td>Deflection Temperature at 0.45 MPa load</td>
<td>ISO 75</td>
<td>°C</td>
<td>100</td>
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<tr>
<td>PROCESSING</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Melt Flow Rate (250 °C; 2,16 kg)</td>
<td>ISO 1133</td>
<td>g/10 min</td>
<td>18</td>
</tr>
<tr>
<td>Melt Temperature</td>
<td>ISO 294-4</td>
<td>°C</td>
<td>240</td>
</tr>
<tr>
<td>Mold Temperature</td>
<td>ISO 294-4</td>
<td>%</td>
<td>60</td>
</tr>
<tr>
<td>Moulding Shrinkage, parallel</td>
<td>ISO 294-4</td>
<td>%</td>
<td>1.0-1.2</td>
</tr>
<tr>
<td>Moulding Shrinkage, normal</td>
<td>ISO 294-4</td>
<td>%</td>
<td>1.0-1.2</td>
</tr>
</tbody>
</table>

Comment:
All processing parameters as well as information on shrinkage specimen should be requested from the manufacturer.
If stored in a dry warehouse – dehydration not required

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