## Food Contact ABS POLYLAC® PA-757F

Product Description: Low residual monomer, Food application

<table>
<thead>
<tr>
<th>Properties</th>
<th>ISO Test Method</th>
<th>Test Condition</th>
<th>Unit</th>
<th>PA-757F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melt Flow Index</td>
<td>1133</td>
<td>220°C×10KG</td>
<td>ml/10 min</td>
<td>18</td>
</tr>
<tr>
<td>Mass Density</td>
<td>1183</td>
<td>23 °C</td>
<td>g/cm³</td>
<td>1.05</td>
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<tr>
<td>Tensile Strength</td>
<td>527</td>
<td>50 mm/min, yield</td>
<td>MPa</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 mm/min, break</td>
<td>MPa</td>
<td>34</td>
</tr>
<tr>
<td>Tensile Elongation</td>
<td>527</td>
<td>50 mm/min</td>
<td>%</td>
<td>30</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>178</td>
<td>2 mm/min</td>
<td>MPa</td>
<td>76</td>
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<tr>
<td>Flexural Modulus</td>
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<td>2 mm/min</td>
<td>GPa</td>
<td>2.2</td>
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<tr>
<td>Izod Impact Strength</td>
<td>180/1A</td>
<td>23 °C Notched</td>
<td>KJ/m²</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-30 °C Notched</td>
<td>KJ/m²</td>
<td>9</td>
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<tr>
<td>Charpy Impact Strength</td>
<td>179</td>
<td>23 °C Notched</td>
<td>KJ/m²</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-30 °C Notched</td>
<td>KJ/m²</td>
<td>10</td>
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<tr>
<td>Vicat Softening Temp.</td>
<td>306</td>
<td>1 Kg,50 °C/hr</td>
<td>ºC</td>
<td>104</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 Kg,50 °C/hr</td>
<td>ºC</td>
<td>100</td>
</tr>
<tr>
<td>Heat Distortion Temp.</td>
<td>75/A</td>
<td>1.8 MPa Unanneled</td>
<td>ºC</td>
<td>83</td>
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<tr>
<td></td>
<td></td>
<td>1.8 MPa Annealed</td>
<td>ºC</td>
<td>98</td>
</tr>
<tr>
<td>Coefficient of Linear</td>
<td>11359</td>
<td>-</td>
<td>-</td>
<td>8.6 x 10⁻⁵</td>
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<td>Thermal Expansion</td>
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<td>Flammability</td>
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<td>UL-94</td>
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<td>1.5mm HB</td>
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<tr>
<td>Mold Shrinkage</td>
<td>294-4</td>
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<td>%</td>
<td>0.4–0.7</td>
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<tr>
<td>Symbol</td>
<td>1043</td>
<td>-</td>
<td>-</td>
<td>&gt;ABS&lt;</td>
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</table>

Notes: These are typical properties only and are not to be construed as specifications. Users should confirm results by their own test.

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