## Polyfast® SA006

ASA Prime Compound

**Description:**
ASA experimental grade for injection moulding

### General

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFI (220°C/10kg)</td>
<td>ISO 1133</td>
<td>7 g/10min</td>
</tr>
<tr>
<td>Density</td>
<td>ISO 1183</td>
<td>1.06 g/cm³</td>
</tr>
<tr>
<td>Linear mould shrinkage</td>
<td>ASTM D955</td>
<td>0.4 - 0.7 %</td>
</tr>
</tbody>
</table>

### Thermal

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDT/A (1,82MPa)</td>
<td>ISO 75A</td>
<td>90 °C</td>
</tr>
<tr>
<td>Vicat softening point (B50 (50N))</td>
<td>ISO 306</td>
<td>97 °C</td>
</tr>
</tbody>
</table>

### Mechanical

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Izod notched impact strength (23°C)</td>
<td>ISO 180/A</td>
<td>7 kJ/m²</td>
</tr>
<tr>
<td>Tensile stress at yield</td>
<td>ISO 527</td>
<td>35 MPa</td>
</tr>
<tr>
<td>Tensile stress at break</td>
<td>ISO 527</td>
<td>28 MPa</td>
</tr>
<tr>
<td>Elongation at break</td>
<td>ISO 527</td>
<td>7 %</td>
</tr>
<tr>
<td>Flex modulus</td>
<td>ISO 178</td>
<td>2500 MPa</td>
</tr>
</tbody>
</table>

### Flammability

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability (3,2mm)</td>
<td>UL94</td>
<td>HB</td>
</tr>
<tr>
<td>Flammability (1,6mm)</td>
<td>UL94</td>
<td>HB</td>
</tr>
<tr>
<td>Glow wire flammability index (2,0 mm)</td>
<td>IEC 60695-2-12</td>
<td>650 °C</td>
</tr>
</tbody>
</table>