Product Technical Information
Polypropylene – Impact Copolymer.

500-GA20 is a high melt flow rate and very high impact copolymer for injection moulding applications.

Benefits & Features
- Very high impact resistance
- Very good thermal stability

Applications
- Consumer products
- Housewares
- Containers, car batteries
- Toys, compounds

<table>
<thead>
<tr>
<th>Properties</th>
<th>Conditions</th>
<th>Test Methods</th>
<th>Values</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rheological</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melt Flow Rate</td>
<td>230°C/2.16Kg</td>
<td>ISO 1133-1</td>
<td>20</td>
<td>g/10min</td>
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<tr>
<td>Mechanical</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>23°C</td>
<td>ISO 178</td>
<td>1000</td>
<td>MPa</td>
</tr>
<tr>
<td>Tensile Strength at Yield</td>
<td>23°C</td>
<td>ISO 527-1,-2</td>
<td>23</td>
<td>MPa</td>
</tr>
<tr>
<td>Izod Impact Strength, notched</td>
<td>23°C</td>
<td>ISO 180/A</td>
<td>35</td>
<td>kJ/m²</td>
</tr>
<tr>
<td>Instrumented falling weight impact strength</td>
<td>-20°C</td>
<td>ISO 6603-2</td>
<td>19</td>
<td>J/mm</td>
</tr>
<tr>
<td>Thermal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heat Deflection Temperature</td>
<td>0.45 MPa</td>
<td>ISO 75-2</td>
<td>85</td>
<td>°C</td>
</tr>
</tbody>
</table>

Data should not be used for specification work
Storage
The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.

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The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading “SDS & Regulatory Certificate”.

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