Chemlon® 113 GH
Teknor Apex Company - Polyamide 66

General Information

Chemlon® 113 GH is a 13% glass fiber reinforced, heat stabilized polyamide 66 (PA 66) designed for injection molding. This high tensile strength material has a wide processing window, provides a good surface appearance, and is available globally.

General

Material Status  • Commercial: Active
Availability  • Africa & Middle East  • Europe  • North America
• Asia Pacific  • Latin America
Additive  • Heat Stabilizer
Features  • Good Processability  • Good Surface Finish  • High Tensile Strength
• Good Thermal Stability
RoHS Compliance  • Contact Manufacturer

Automotive Specifications

Antoni
color

CRHSLER MS-DB-41 CPN2239 Color: BK001 Black
CRHSLER MS-DB-41 CPN3794 Color: Non-matched Color
CRHSLER MS-DB-41 CPN4061 Color: 100% Color Match

FORD ESA-M4D349-A
GM GMP.PA66.020 Color: Black
GM GMP.PA66.020 Color: Natural
GM GMW3038P-PA66-GF15H Color: Black

Forms  • Pellets
Processing Method  • Injection Molding

Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Dry</th>
<th>Conditioned</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Temperature</td>
<td>495</td>
<td>--</td>
<td>°F</td>
</tr>
<tr>
<td>Electrical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volume Resistivity</td>
<td>1.0E+15</td>
<td>--</td>
<td>ohms·cm</td>
</tr>
<tr>
<td>Dielectric Strength (0.118 in)</td>
<td>460</td>
<td>--</td>
<td>V/mil</td>
</tr>
<tr>
<td>Comparative Tracking Index (CTI)</td>
<td>600</td>
<td>--</td>
<td>V</td>
</tr>
<tr>
<td>Flammability</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flame Rating (0.03 in)</td>
<td>HB</td>
<td>--</td>
<td>UL 94</td>
</tr>
<tr>
<td>Oxygen Index</td>
<td>25</td>
<td>--</td>
<td>%</td>
</tr>
</tbody>
</table>

Legal Statement

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller’s recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or others. There is no warranty of merchantability and there are no other warranties for the products described. For detailed Product Stewardship information, please contact us. Any product of Teknor Apex, including product names, shall not be used or tested in medical or food contact applications without the prior written acknowledgement of Teknor Apex as to the intended use. Please note that some products may not be available in one or more countries.

Processing Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Dry</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drying Temperature</td>
<td>176</td>
<td>°F</td>
</tr>
<tr>
<td>Suggested Max Moisture</td>
<td>0.17</td>
<td>%</td>
</tr>
<tr>
<td>Processing (Melt) Temp</td>
<td>509 to 559</td>
<td>°F</td>
</tr>
</tbody>
</table>
**Chemlon® 113 GH**
Teknor Apex Company - Polyamide 66

<table>
<thead>
<tr>
<th>Injection Notes</th>
<th>Dry Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mold Temperature</td>
<td>171 to 190 °F</td>
</tr>
</tbody>
</table>

**Injection Notes**

Maximum peak injection pressure should not exceed 80% of the machine’s maximum pressure capability. Start with a holding pressure that is half the peak injection pressure. Perform a rheology curve in order to determine appropriate injection rate.

**Notes**

1. Automotive site approvals apply for US manufactured compound only
2. Typical properties: these are not to be construed as specifications.

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**Teknor Apex Company**

Corporate Headquarters

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