Product Data Sheet

SUMITOMO POLYETHYLENE EXCELLEN® GMH

CB0002
Easy Processing Polyethylene (EPPE), Foam

Applications
For shoe sole and other foam applications.

Characteristics
Additives free. High mechanical strength, impact resistance, easy processing, good seal strength; suitable for high speed processing.

Typical Properties

<table>
<thead>
<tr>
<th>Physical</th>
<th>Value</th>
<th>Unit</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melt Index</td>
<td>190 °C, 2.16 kg</td>
<td>0.2</td>
<td>g/10min</td>
</tr>
<tr>
<td>Density</td>
<td>0.912</td>
<td>g/cm³</td>
<td>JIS K7112</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical</th>
<th>Value</th>
<th>Unit</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength at Break</td>
<td>34</td>
<td>MPa</td>
<td>JIS K7113</td>
</tr>
<tr>
<td>Tensile Elongation at Break</td>
<td>800</td>
<td>%</td>
<td>JIS K7113</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>130</td>
<td>MPa</td>
<td>ASTM D747-70</td>
</tr>
<tr>
<td>Tensile Impact</td>
<td>1400</td>
<td>kJ/m²</td>
<td>ASTM D1822-61T</td>
</tr>
<tr>
<td>Shore Hardness</td>
<td>D</td>
<td>49</td>
<td>JIS K7215</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thermal</th>
<th>Value</th>
<th>Unit</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melt Temperature</td>
<td>101</td>
<td>°C</td>
<td>DSC</td>
</tr>
</tbody>
</table>

The values shown are typical values measured on the product and are not to be considered as guaranteed specifications; actual test results may vary.
Manufacturer
CB0002 is manufactured by Sumitomo Chemical Company Ltd (SCC) and packed in SCC identifiers. Sumitomo Chemical Company is an ISO 9001 certified company.

Food Contact Application
Unmodified CB0002 complies with the US FDA Regulation 21 CFR 177.1520 for use in direct contact with food. Please contact your nearest SCA representative for more information.

Restriction of Hazardous Substances
The substances regulated under EU Directive 2011/65/EC and its amendment on RoHS in electrical and electronic equipment, are not used in the manufacturing process of CB0002 and are therefore not expected to be present.

Storage and Handling
CB0002 is supplied in 25 kg paper bags. It is advisable to store in a well ventilated storage facility, protected from rain, direct exposure to sunlight, temperature and dust.
Moisture may accumulate inside the packaging if there is a significant fluctuation in ambient temperature and high relative humidity. If this occurs, customer is strongly advised to dry the resin prior to use. Direct exposure to sunlight and excessive ambient temperature may affect the properties, appearance and odor characteristic of the resin. Please refer to the Safety Data Sheet (SDS) for information regarding industrial health and safety issues.

Disposal and the Environment
SCA prioritizes environmental management in all our operations in responsibility and respect towards the community and the environment.
Unmodified CB0002 is readily recyclable, both for reuse via reprocessing and for energy reclamation through incineration. If disposed in landfills, our products, which are inert materials, do not pose pollution risks since they do not generate gaseous or liquid emissions.

Office Locations
SUMITOMO CHEMICAL ASIA PTE LTD
3 Fraser Street, #07-28 DUO Tower, SINGAPORE 189352
Phone +65 6303 5188 Fax +65 6298 9621 www.sumitomo-chem.com.sg

SUMIKA PLASTICS AND CHEMICALS TRADING (SHANGHAI) CO., LTD.
Unit 46-07 Grand Gateway II, No.3 Hongqiao Road, Xu Hui District, Shanghai, CHINA 200030
Phone +86 21 6448 2255 Fax +86 21 6407 7365

SUMIKA PLASTICS AND CHEMICALS TRADING (SHANGHAI) CO., LTD., GUANGZHOU BRANCH
Room 6404, Office Building, CITIC Plaza, No.233, North Tianhe Road, Guangzhou City, CHINA 510613
Phone +86 20 3877 3577 Fax +86 20 3877 3511

SCA SOUTH ASIA PETROCHEMICALS PRIVATE LIMITED
Private Office No. 218, DBS Business Center, FF, World Trade Tower, Barakhamba Lane, Connaught Place, New Delhi 110001, INDIA
Phone +91 11 4050 9218 Fax +91 11 2341 4740

SUMITOMO CHEMICAL EUROPE S.A./N.V.
Woluvelaan, 57, B-1830 Machelen, BELGIUM
Phone +32 2 251 0650 Fax +32 2 251 2991 www.sumitomochemical-europe.eu

SUMITOMO CHEMICAL EUROPE N.V.
Phone +90 216 680 3334 Fax +90 216 680 1012

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