Capa™ 2209

Description
- Capa™ 2209 is a standard grade linear polyester diol derived from caprolactone monomer, terminated by primary hydroxyl groups.
- White waxy solid.

Applications
- Capa™ 2209 has been specially developed as an intermediate for the production of high quality polyurethane elastomers.
- Can be used in polyurethane adhesive, surface coating, TPU manufacture and flexible foam applications.

Delivery forms
- 200 kg lacquered mild steel drums
- 200 kg tapered steel drums
- 1000 kg IBCs
- Bulk in molten form

Storage
- Undisturbed packaging as delivered until shortly before use. Storage area should be covered and protected from higher than ambient temperatures at all times.
- For bulk tank storage specific considerations need to be given to cleanliness, materials of construction and prevention of air ingress to the tank, technical advice on a storage tank is available on request.

Sales specification

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroxyl value, mg KOH/g</td>
<td>54-58</td>
</tr>
<tr>
<td>Acid value, mg KOH/g</td>
<td>Max. 0.25</td>
</tr>
<tr>
<td>Water content, %</td>
<td>Max. 0.02</td>
</tr>
<tr>
<td>Colour, Hazen</td>
<td>Max. 50</td>
</tr>
</tbody>
</table>

Typical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean molecular weight</td>
<td>2000</td>
</tr>
<tr>
<td>Melting point, °C</td>
<td>40-50</td>
</tr>
<tr>
<td>Viscosity at 60°C, mPas</td>
<td>380</td>
</tr>
</tbody>
</table>

Solubility parameters
The solubility parameter ($\delta$) is 9.34 – 9.43 (cal/cm$^3$)$^{\frac{1}{2}}$.

Densities
The typical specific gravity (SG) of the material, measured at 55°C c.f. water at 20°C, is 1.073.

Analytical method

1. S11502 MW101
2. S11502 M3A
3. S11502 MW102
4. S11502 M33C

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