Uniplex FRP-64
Plastic Additives / Flame Retardants

Description
Uniplex FRP-64 is a solid flame retardant with a high chemical resistance combined with an excellent light stability.

Chemical composition
Poly (2,6-Dibromophenylene oxide)

CAS Registry Number
69882-11-7

Typical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>light tan powder</td>
</tr>
<tr>
<td>Bromine content</td>
<td>64 %</td>
</tr>
<tr>
<td>Sodium bromide content</td>
<td>&lt; 0.10 %</td>
</tr>
<tr>
<td>Tribromophenol content</td>
<td>&lt; 0.15 %</td>
</tr>
<tr>
<td>Loss in drying</td>
<td>&lt; 1.0 %</td>
</tr>
<tr>
<td>Melting range</td>
<td>210 – 240°C</td>
</tr>
<tr>
<td>Iron content</td>
<td>&lt; 2 ppm</td>
</tr>
</tbody>
</table>

Storage
If stored correctly the product has a shelf life of at least 3 years.

Applications
Uniplex FRP-64 is used as flame retardant in thermoplastics such as unfilled and reinforced thermoplastic polyesters (PET and PBT) and polyamides (PA 6 and PA 66).
It is especially recommended for applications where high chemical resistance and minimal thermal discoloration is required such as in E&E applications.

Product safety
Relevant safety data and references as well as possibly necessary warning labels are to be found in safety data.

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