Metallocene PP Homopolymer

Product Description
Metocene MF650W is a very high melt flow rate homopolymer resin with very narrow molecular weight distribution. It is suitable for melt blown fibers as well as compounding extrusion applications. This material is available as a free-flowing, low dust granule (flake) resin. This product contains no peroxide or peroxide decomposition by-products. It is a low gas fading product.

The very narrow molecular weight distribution and high degree of resin consistency promote finer fibers, enhanced fiber filament thread line continuity as well as reduced fly and lint in melt blown spinning processes. Its very high melt flow rate allows reduced processing temperatures and energy savings. This is a low smoke, clean running resin with good thermal and processing stability.

Regulatory Status
For regulatory compliance information, see Metocene MF650W Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status
Commercial: Active

Availability
Asia-Pacific; Europe; North America

Application
Absorption & Filtration; Colour Concentrates; Nonwovens; Wipes/Tissues

Market
Compounding; Textile

Processing Method
Compounding; Melt Blown

Attribute
Extremely High Flow; High Purity; Low Smoke Emission; Narrow Molecular Weight Distribution

Typical Properties

<table>
<thead>
<tr>
<th>Physical Property</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melt Flow Rate, (230 °C/2.16 kg)</td>
<td>500</td>
<td>g/10 min</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td>Density, (23 °C)</td>
<td>0.90</td>
<td>g/cm³</td>
<td>ASTM D792</td>
</tr>
</tbody>
</table>
Notes
These are typical property values not to be construed as specification limits.

Processing Techniques
Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information
For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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