Metocene HM562S

Product Description
Metocene HM562S is a metallocene-catalyzed homopolymer with a very narrow molecular weight distribution, suitable for fiber extrusion application. It is formulated with an anti-gas fading stabilization package. It can be advantageously processed in different spinning technologies.

Typical applications are spunbond nonwovens and continuous filaments such as partially-oriented yarns (POY). Metocene HM562S expands processing capabilities to achieve unmatched properties balances. It allows faster spinning and lower denier filaments. Additional advantages of Metocene HM562S are low volatiles and low processing smokes.

Regulatory Status
For regulatory compliance information, see Metocene HM562S Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status
Commercial: Active

Availability
Africa-Middle East; Asia-Pacific; Australia and New Zealand

Application
Filament Yarn; Furniture & Buildings; Geotextile & Agriculture; Hygiene Nonwoven; Protective Clothes

Market
Textile

Processing Method
Continuous Filament/Spinning; Spunbond

Attribute
Controlled Rheology; Gas-fading Resistant; Homopolymer; Narrow Molecular Weight Distribution

Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Melt Flow Rate, (230 °C/2.16 kg)</td>
<td>30</td>
<td>g/10 min</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td>Density</td>
<td>0.90</td>
<td>g/cm³</td>
<td>ASTM D792</td>
</tr>
<tr>
<td>Mechanical Flexural Modulus</td>
<td>1300</td>
<td>MPa</td>
<td>ASTM D790</td>
</tr>
<tr>
<td>Tensile Strength at Yield</td>
<td>32</td>
<td>MPa</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Tensile Elongation at Yield</td>
<td>10</td>
<td>%</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Impact Notched Izod Impact Strength, (23 °C)</td>
<td>30</td>
<td>J/m</td>
<td>ASTM D256</td>
</tr>
<tr>
<td>Hardness Rockwell Hardness, (R-Scale)</td>
<td>104</td>
<td></td>
<td>ASTM D785</td>
</tr>
<tr>
<td>Thermal Deflection Temperature Under Load, (0.46 N/mm²)</td>
<td>110</td>
<td>°C</td>
<td>ASTM D648</td>
</tr>
</tbody>
</table>
Notes
These are typical property values not to be construed as specification limits.

Processing Techniques
Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application.

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

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