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).

<table>
<thead>
<tr>
<th>Status</th>
<th>Commercial: Active</th>
</tr>
</thead>
<tbody>
<tr>
<td>Availability</td>
<td>Africa-Middle East; Asia-Pacific; Australia and New Zealand</td>
</tr>
<tr>
<td>Application</td>
<td>Filament Yarn; Furniture &amp; Buildings; Geotextile &amp; Agriculture; Hygiene Nonwoven; Protective Clothes</td>
</tr>
<tr>
<td>Market</td>
<td>Textile</td>
</tr>
<tr>
<td>Processing Method</td>
<td>Continuous Filament/Spinning; Spunbond</td>
</tr>
<tr>
<td>Attribute</td>
<td>Controlled Rheology; Gas-fading Resistant; Homopolymer; Narrow Molecular Weight Distribution</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Typical Properties</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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>
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<tr>
<td>Mechanical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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>
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<tr>
<td>Tensile Elongation at Yield</td>
<td>10</td>
<td>%</td>
<td>ASTM D638</td>
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<tr>
<td>Impact</td>
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<tr>
<td>Notched Izod Impact Strength, (23 °C)</td>
<td>30</td>
<td>J/m</td>
<td>ASTM D256</td>
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<tr>
<td>Hardness</td>
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<tr>
<td>Rockwell Hardness, (R-Scale)</td>
<td>104</td>
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<td>ASTM D785</td>
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<tr>
<td>Thermal</td>
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<tr>
<td>Deflection Temperature Under Load, (0.46 N/mm²)</td>
<td>110</td>
<td>°C</td>
<td>ASTM D648</td>
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</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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