**Technical Data Sheet**

**Hostalen PP HP1886**

Polypropylene, Random Copolymer

**Product Description**

*Hostalen* PP HP1886 is a very low flow random copolymer with good stiffness/toughness balance, outstanding creep and stress cracking resistance. *Hostalen* PP HP1886 features low haze and yellowing resistance in contact with cooling water. Typical customer use is automotive expansion tanks. *Hostalen* PP HP1886 is not intended for medical and pharmaceutical applications.

**Regulatory Status**

For regulatory compliance information, see *Hostalen* PP HP1886 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

**Status**

Commercial: Active

**Availability**

Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America

**Application**

Non-fuel Reservoirs; Underhood

**Market**

Automotive

**Processing Method**

Injection Molding

**Attribute**

Good Chemical Resistance; Good Heat Resistance; Good Stiffness; Good Toughness; High Creep Resistance; Low Flow

### Typical Properties

<table>
<thead>
<tr>
<th>Physical</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melt Flow Rate, (230 °C/5.0 kg)</td>
<td>1.4</td>
<td>g/10 min</td>
<td>ISO 1133-1</td>
</tr>
<tr>
<td>Density</td>
<td>0.90</td>
<td>g/cm³</td>
<td>ISO 1183-1</td>
</tr>
</tbody>
</table>

**Mechanical**

| Tensile Modulus, (1% Secant) | 1400          | MPa       | ISO 527-1, -2 |
| Tensile Stress at Yield, (23 °C, 50 mm/min) | 36            | MPa       | ISO 527-1, -2 |
| Tensile Strain at Yield, (23 °C, 50 mm/min) | 10.3          | %         | ISO 527-1, -2 |

**Impact**

| Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) | 11            | kJ/m²     | ISO 179      |
| Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise) | No Break       |           | ISO 179      |

**Thermal**

| Vicat Softening Temperature, (A50) | 151           | °C        | ISO 306      |
| Heat Deflection Temperature A, (1.80 MPa, Unannealed) | 54            | °C        | ISO 75A-1, -2 |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed) | 101           | °C        | ISO 75B-1, -2 |
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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