

## 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 \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
<b>Application</b>	Non-fuel Reservoirs; Underhood
<b>Market</b>	Automotive
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Chemical Resistance; Good Heat Resistance; Good Stiffness; Good Toughness; High Creep Resistance; Low Flow

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/5.0 kg)	1.4	g/10 min	ISO 1133-1
Density	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus, (23 °C)	1300	MPa	ISO 178
Tensile Modulus, (23 °C)	1400	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	34	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	10	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	14	kJ/m <sup>2</sup>	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	No Break		ISO 179
<b>Thermal</b>			
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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