Technical Data Sheet

Hostalen PP HP1886A

lyondellbasell

Polypropylene, Random Copolymer

Product Description

Hostalen PP HP1886A is a very low flow random copolymer with good stiffness/toughness balance, outstanding creep and stress cracking resistance. Hostalen PP HP1886A features low haze and yellowing resistance in contact with cooling water. Typical customer use is compounds for pipes and automotive expansion tanks. Hostalen PP HP1886A is not intended for medical and pharmaceutical applications.

Regulatory Status

For regulatory compliance information, see *Hostalen* PP HP1886A <u>Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS)</u>.

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 Stiffness; Good Toughness; High Creep

Resistance; Low Flow

	Nominal		
Typical Properties	Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/5.0 kg)	1.4	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
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)	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)	14	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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