Technical Data Sheet

Hostalen PP H1850

Polypropylene, Homopolymer

Product Description

Hostalen PP H1850 is a very low flow homopolymer with good stiffness toughness balance. The grade features yellowing resistance in contact with cooling water. Typical customer use is automotive expansion tanks. *Hostalen* PP H1850 is not intended for medical and pharmaceutical applications.

Regulatory Status

For regulatory compliance information, see *Hostalen* PP H1850 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
Attribute	Good Stiffness; Good Toughness; Homopolymer; Low Flow

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/5.0 kg)	1.2	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)	1300	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	33	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	14	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	16	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	No Break		ISO 179
Thermal			
Vicat Softening Temperature, (A50)	155	°C	ISO 306
Heat Deflection Temperature A, (1.80 MPa, Unannealed)	52	°C	ISO 75A-1, -2
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	95	°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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