

Hostalen PP H1850

Polypropylene Homopolymer

LyondellBasell Industries

Message:

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.

For regulatory information please refer to Hostalen PP H1850 Product Stewardship Bulletin (PSB)

Hostalen PP H1850 is not intended for medical and pharmaceutical applications.

General Information

Features	Good Color Stability
	Good Stiffness
	Good Toughness
	Homopolymer
	Low (to None) Cadmium Content
	Low Flow

Uses	Automotive Applications
	Automotive Under the Hood
	Structural Parts
	Tanks

Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	1.2	g/10 min	ISO 1133
Molding Shrinkage	1.6 to 1.8	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	1300	MPa	ISO 527-2
Tensile Stress (Yield)	33.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	14	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179/1e
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	90.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature	85.0	°C	ISO 306/B50

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