Hostalen PP HP1886

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

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 yellowing resistance in contact with cooling water.

Typical customer use is automotive expansion tanks.

For regulatory information please refer to Hostalen PP HP1886 Product Stewardship Bulletin (PSB)

Hostalen PP HP1886 is not intended for medical and pharmaceutical applications.

General Information			
Features	Good Chemical Resistance		
	Good Creep Resistance		
	Good Stiffness		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	Low Flow		
	Medium Heat Resistance		
	Random Copolymer		
Uses	Automotive Applications		
	Automotive Under the Hood		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	1.4	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	1400	MPa	ISO 527-2
Tensile Stress (Yield)	36.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	30	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	101	°C	ISO 75-2/B
1.8 MPa, Unannealed	54.0	°C	ISO 75-2/A
Vicat Softening Temperature	151	°C	ISO 306/A50

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