

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.

Application	Non-fuel Reservoirs; Underhood
Market	Automotive
Processing Method	Injection Molding
Attribute	Good Chemical Resistance; Good Heat Resistance; Good Stiffness; Good Toughness; High Creep Resistance; Low Flow

Typical Properties	Nominal 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/cm ³	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)	34	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	10	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	14	kJ/m ²	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