

Technical Data Sheet

Hostalen PP HP1886A

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.

Application	Non-fuel Reservoirs; Underhood
Market	Automotive
Processing Method	Injection Molding
Attribute	Good Chemical 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)	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/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