

Technical Data Sheet

Hostalen PP HP1886T



Polypropylene, Random Copolymer

Product Description

Hostalen PP HP1886T is low flow PP random copolymer with good stiffness/toughness balance, outstanding creep and stress cracking resistance. *Hostalen* PP HP1886T features low haze and yellowing resistance in contact with cooling water. Typical customer use is automotive expansion tanks (surge tanks). *Hostalen* PP HP1886T 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

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 - Specific Gravity, (Method A)	0.90	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus	1300	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	34	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	14	kJ/m ²	ISO 179
Thermal			
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	101	°C	ISO 75B-1, -2