



Hostalen PP H1850

Polypropylene, Homopolymer

Product Description

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Features	Low Flow , Homopolymer, Good Stiffness , Good Toughness
Typical Customer Applications	Non-fuel Reservoirs, Under-the-Hood & Structural Applications

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.902	g/cm ³
Melt flow rate (MFR) (230°C/5.0kg)	ISO 1133	1.2	g/10 min
Mechanical			
Tensile Modulus (Secant)	ISO 527-1, -2	1300	MPa
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	33.0	MPa
Tensile Strain at Yield (50 mm/min)	ISO 527-1, -2	14	%
Impact			
Charpy unnotched impact strength (23 °C, Type 1, Edgewise)	ISO 179	No Break	kJ/m ²
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A)	ISO 179	11.0	kJ/m ²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	90.0	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	55.0	°C
Vicat softening temperature (B50 (50°C/h 50N))	ISO 306	85	°C

Additional Properties

Mould Shrinkage, Basell Test Method: 1.6 to 1.8 %

Notes

Typical properties; not to be construed as specifications.