

## 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.

### Product Characteristics

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

Typical Properties	Method	Value Unit
<b>Physical</b>		
Density	ISO 1183	0.902 g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/5.0kg)	ISO 1133	1.2 g/10 min
<b>Mechanical</b>		
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 %
<b>Impact</b>		
Charpy unnotched impact strength (23 °C, Type 1, Edgewise)	ISO 179	No Break kJ/m <sup>2</sup>
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A)	ISO 179	11.0 kJ/m <sup>2</sup>
<b>Thermal</b>		
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.

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Users should review the applicable Material Safety Data Sheet before handling the product.

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