

H1850

Homopolymer

Description:

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.

Typical Applications

- Automotive expansion tanks
- Under-the-hood and structural applications

Features: Low flow, Good stiffness/toughness balance, Good yellowing resistance, Homopolymer

Suitable for: Injection molding applications

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 5kg)	1.2	g/10 min	ISO 1133
Density	0.902	g/cm ³	ISO 1183
Tensile Secant Modulus	1300	MPa	ISO 527-1, -2
Tensile Strength at Yield (50 mm/min)	33	MPa	ISO 527-1, -2
Tensile Elongation at Yield (50 mm/min)	14	%	ISO 527-1, -2
Charpy impact strength (Notch A) 23 °C	11	kJ/m ²	ISO 179
Vicat softening point B50	85	°C	ISO 306
H.D.T. B (0.45 MPa)	90	°C	ISO 75B-1, -2
Mold shrinkage	1.6-1.8	%	--

* Typical values; not to be considered as product specification.