

Jampilen H1850

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen 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.

General Information			
Features	Balanced Stiffness/Toughness		
	Good Color Stability		
	Homopolymer		
	Low Flow		
Uses	Automotive Applications		
	Automotive Under the Hood		
	Fuel Tanks		
	Structural Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.2	g/10 min	ISO 1133
Molding Shrinkage	1.6 to 1.8	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1300	MPa	ISO 527-2
Tensile Stress (Yield)	33.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	14	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Vicat Softening Temperature	85.0	°C	ISO 306/A50

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