HOSTAFORM® HT130

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HOSTAFORM® HT130 is a super-toughened impact-resistance grade for general injection molding.(Homo-polymer)
- Designed for highly stressed parts and suitable for applications requiring superior impact resistance and flexibility.

Product information

Resin Identification	POM-HI	ISO 1043
Part Marking Code	>POM-HI<	ISO 11469

Rheological properties

Melt mass-flow rate	2	g/10min	ISO 1133
Melt mass-flow rate, Temperature	374	°F	
Melt mass-flow rate, Load	4.76	lb	

Typical mechanical properties

Tensile stress at yield, 50mm/min	5500	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	25	%	ISO 527-1/-2
Nominal strain at break	>50	%	ISO 527-1/-2
Flexural modulus	181000	psi	ISO 178
Flexural strength	5800	psi	ISO 178
Charpy notched impact strength, 23°C	19	ftlb/in^2	ISO 179/1eA

Physical/Other properties

Density	0.048	lb/in^3	ISO 1183

Injection

Drying Recommended	no	
Drying Temperature	212	°F
Drying Time, Dehumidified Dryer	3 - 4	h
Processing Moisture Content	≤0.2	%
Melt Temperature Optimum	401	°F
Min. melt temperature	374	°F
Max. melt temperature	428	°F
Max. screw tangential speed	≤0.3	m/s
Mold Temperature Optimum	158	°F
Min. mold temperature	140	°F
Max. mold temperature	176	°F
Hold pressure range	8700 - 17400	psi
Hold Pressure Time (h is the max. wall thickness of the part in mm)	2h^2-3	s

Characteristics

Processing	Injection Molding
Special characteristics	High impact or impact modified, High viscosity

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