

Hypro® PP-HP 10

Polypropylene Homopolymer

Entec Polymers

Message:

This product is intended for general purpose injection molding applications such as caps & closures, resin furniture and consumer products.

General Information			
Features	General Purpose		
	Homopolymer		
Uses	Caps		
	Closures		
	Consumer Applications		
	Furniture		
	General Purpose		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	34.0	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant ¹ (23°C)	1650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648
Injection	Nominal Value	Unit	
Rear Temperature	182 to 216	°C	
Middle Temperature	193 to 238	°C	
Front Temperature	204 to 249	°C	
Nozzle Temperature	193 to 238	°C	
Processing (Melt) Temp	204 to 249	°C	
Mold Temperature	21.1 to 48.9	°C	
Injection Pressure	3.45 to 10.3	MPa	
NOTE			

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Recommended distributors for this material

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