

Hyprom[®] PP-CP 10/10

Polypropylene Impact Copolymer

Entec Polymers

Message:

This product is intended for injection molding applications such as automotive, appliance, lawn & garden, consumer products and industrial application. This product offers high impact properties at both room temperature and cold temperatures.

General Information			
Features	High Impact Resistance		
	Impact Copolymer		
	Low Temperature Impact Resistance		
Uses	Appliances		
	Automotive Applications		
	Consumer Applications		
	Industrial Applications		
	Lawn and Garden Equipment		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
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	1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	21.0	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant ¹ (23°C)	966	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	> 540	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°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		
1.	1.3 mm/min	

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