

Hyprom® PP-CP 20/2

Polypropylene Impact Copolymer

Entec Polymers

Message:

This product is intended for general purpose injection molding applications including automotive and consumer products, large buckets & pails where toughness and cold temperature impact are required.

General Information			
Features	General Purpose		
	Good Toughness		
	Impact Copolymer		
	Low Temperature Impact Resistance		
Uses	Automotive Applications		
	Consumer Applications		
	General Purpose		
	Pails		
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)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.3 to 1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	24.0	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ¹ (23°C)	1160	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	> 140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°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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