

Hyprom® PP-HP 20NS

Polypropylene Homopolymer

Entec Polymers

Message:

This product is intended for general purpose injection molding applications such as cutlery, caps & closures, and thin wall containers.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	General Purpose		
	Homopolymer		
	Nucleated		
Uses	Caps		
	Closures		
	Consumer Applications		
	General Purpose		
	Thin-walled Containers		
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)	21	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.014	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	39.0	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	8.0	%	ASTM D638
Flexural Modulus - 1% Secant ¹ (23°C)	1930	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)	131	°C	ASTM D648
Injection	Nominal Value	Unit	Test Method
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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