

COPYLENE® CH200LN-02

Polypropylene Homopolymer

Phillips 66

Message:

COPYLENE® CH200LN-02 is a polypropylene homopolymer resin nucleated for faster crystallization with antistatic properties and designed for injection molding applications.

Applications:

Caps & Closures

Sports

Leisure and Toys

Housewares

Opaque Containers

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Homopolymer		
	Nucleated		
Uses	Caps		
	Closures		
	Containers		
	Household Goods		
	Sporting Goods		
	Toys		
Appearance	Opaque		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.902	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	37.9	MPa	ASTM D638
Tensile Elongation (Yield)	7.5	%	ASTM D638
Flexural Modulus - 1% Secant ²	1730	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256A

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	124	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	1.0 mm/min		

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