

COPYLENE® CR120LN

Polypropylene Random Copolymer

Phillips 66

Message:

COPYLENE® CR120LN is a random copolymer nucleated and with antistat for good mold release in injection molding applications.

Applications:

Containers

Closures

Housewares

General Information			
Additive	Antistatic		
	Mold Release		
	Nucleating Agent		
Features	Antistatic		
	Good Mold Release		
	Nucleated		
	Random Copolymer		
Uses	Closures		
	Containers		
	Household Goods		
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)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	28.2	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus - 1% Secant ²	1030	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	63	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	83.7	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	1.0 mm/min		

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