

COPYLENE® CM500LN

Polypropylene Impact Copolymer

Phillips 66

Message:

COPYLENE® CM500LN is a very high melt flow, medium impact polypropylene copolymer resin, designed for injection molding applications requiring a good balance of properties with faster cycling capability.

Applications:

Housewares

General Information			
Features	Fast Molding Cycle		
	High Flow		
	Impact Copolymer		
	Medium Impact Resistance		
Uses	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)	50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	24.1	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant ²	1240	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	108	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	1.0 mm/min		

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