

COPYLENE® CM090L

Polypropylene Impact Copolymer

Phillips 66

Message:

COPYLENE® CM090L is a high impact copolymer with antistat and is specially designed to excel in injection molding processes for consumer products.

Potential Applications:

Injection Molding

General Information			
Additive	Antistatic		
Features	Antistatic		
	High Impact Resistance		
	Impact Copolymer		
Uses	Consumer Applications		
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)	9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	23.0	MPa	ASTM D638
Tensile Elongation (Yield)	7.4	%	ASTM D638
Flexural Modulus - 1% Secant ²	1240	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	450	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	1.0 mm/min		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

