

COPYLENE® CH085

Polypropylene Homopolymer

Phillips 66

Message:

COPYLENE® CH085, a controlled rheology polypropylene homopolymer resin, is used in injection molding and cast film extrusion applications.

- Applications
- Bags & Pouches
- Stationery Film
- Stretch Wrap Film
- Peelable Film
- Film Wrap
- Food Packaging Film
- Heavy Duty Packaging
- Hygiene Film
- Medical Film
- Stretch Hood
- Twist Wrap Film
- Breathable Film

General Information			
Features	Controlled Rheology		
	Homopolymer		
Uses	Bags		
	Cast Film		
	Film		
	Food Packaging		
	Medical/Healthcare Applications		
	Packaging		
	Sanitary Products		
	Stretch Wrap		
Forms	Pellets		
Processing Method	Cast Film		
	Film Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	33.6	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus - 1% Secant ²	1240	MPa	ASTM D790A

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	92.0	°C	ASTM D648
NOTE			
1.	51 mm/min		
2.	1.3 mm/min		

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