

COPYLENE® CH020

Polypropylene Homopolymer

Phillips 66

Message:

COPYLENE® CH020 is a polypropylene homopolymer resin designed for BOPP (biaxially oriented polypropylene) film extrusion applications.

- Applications
- Bags & Pouches
- Raffia/Tapes/Strapping
- Peelable Film
- Film Wrap
- Food Packaging Film
- Lamination Film
- Twist Wrap Film
- Surface Protection Film
- Barrier Film

General Information			
Features	Homopolymer		
Uses	Bags		
	Bi-axially Oriented Film		
	Film		
	Laminates		
	Packaging		
	Strapping		
	Tape		
Forms	Pellets		
Processing Method	Bi-axially Oriented Film		
	Extrusion		
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)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	33.4	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus - 1% Secant ²	1420	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	86.0	°C	ASTM D648
NOTE			

1.	51 mm/min
2.	1.3 mm/min

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