

COPYLENE® CH005

Polypropylene Homopolymer

Phillips 66

Message:

COPYLENE® CH005 is a fractional melt flow polypropylene homopolymer resin available in pellet form.

General Information			
Features	Homopolymer		
	Low liquidity		
Uses	Strap		
	Textile applications		
	Agricultural application		
	Belt material		
	Coating application		
	Web		
Forms	Particle		
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)	0.50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	35.2	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus - 1% Secant ²	1620	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°C)	69	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
NOTE			
1.	51 mm/min		
2.	1.3 mm/min		

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Recommended distributors for this material

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