

COPYLENE® CH043EW

Polypropylene Homopolymer

Phillips 66

Message:

COPYLENE® CH043EW is a medium flow polypropylene homopolymer resin suitable for general injection molding or extrusion applications.

- Applications
- Raffia/Tapes/Strapping
- Cast Film
- Monofilament

General Information			
Features	Homopolymer		
	Medium Flow		
Uses	Cast Film		
	Filaments		
	Film		
	Strapping		
	Tape		
Forms	Pellets		
Processing Method	Cast 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)	4.3	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	35.2	MPa	ASTM D638
Tensile Elongation (Yield)	9.2	%	ASTM D638
Flexural Modulus - 1% Secant ²	1540	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)	107	°C	ASTM D648
NOTE			
1.	51 mm/min		

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