

Capilene® E 65 F

Polypropylene Homopolymer

Carmel Olefins Ltd.

Message:

CAPILENE ® E 65 F is a polypropylene homopolymer intended for biaxially oriented polypropylene (BOPP) film applications.

CAPILENE ® E 65 F features: good processability, easy film stretchability and good mechanical properties; does not contain calcium stearate, slip and anti-blocking additives.

CAPILENE ® E 65 F is suitable for: BOPP plain or coextruded packaging films, metallizable BOPP film; extrusion and coextrusion thermoforming.

General Information			
Features	Additive Free		
	Good Processability		
	Good Stretchability		
	Homopolymer		
	Metallizable		
Uses	Bi-axially Oriented Film		
	Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Bi-axially Oriented Film		
	Coextrusion		
	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)			
230°C/2.16 kg	1.9	g/10 min	ASTM D1238
230°C/2.16 kg	2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	33.0	MPa	ASTM D638
Yield	33.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield ²	15	%	ASTM D638
Yield	15	%	ISO 527-2/50
Flexural Modulus			
--	1500	MPa	ASTM D790
-- ³	1450	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact			
23°C	40	J/m	ASTM D256
23°C	3.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	94.0	°C	ASTM D648
0.45 MPa, Unannealed	90.0	°C	ISO 75-2/B
Vicat Softening Temperature	155	°C	ISO 306/A, ASTM D1525 ⁴
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	5.0 mm/min		
4.	Loading 1 (10 N)		

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