

Capilene® G 86 E

Polypropylene Homopolymer

Carmel Olefins Ltd.

Message:

CAPILENE ® G 86 E is a polypropylene homopolymer intended for extrusion and thermoforming applications.

CAPILENE ® G 86 E features: low water carry-over, good processability.

CAPILENE ® G 86 E is suitable for: raffia, tapes, strapping, carpet backing, thermoforming; injection molding of technical items.

General Information			
Features	Good Processability		
	Homopolymer		
	Low Water Carryover		
Uses	Carpet Backing		
	Ribbons		
	Strapping		
	Tape		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	36.0	MPa	ASTM D638
Yield	36.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield ²	11	%	ASTM D638
Yield	11	%	ISO 527-2/50
Flexural Modulus			
--	1550	MPa	ASTM D790
-- ³	1600	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	95.0	°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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