

Capilene® G 71 TF

Polypropylene Homopolymer

Carmel Olefins Ltd.

Message:

CAPILENE® G 71 TF is a nucleated polypropylene homopolymer intended for sheet extrusion and thermoforming applications requiring improved transparency and higher stiffness than conventional polypropylene.

CAPILENE® G 71 TF features: nucleated, high stiffness, high clarity, good thermal stability, short molding cycle.

Applications

CAPILENE® G 71 TF is suitable for: transparent trays, food containers, food packaging and cups.

General Information	
Additive	Nucleating agent
Features	Nucleated
	Rigidity, high
	Homopolymer
	Definition, high
	Thermal stability, good
Uses	Cup
	Food packaging
	Food container
	Bracket tray
Agency Ratings	EC 1907/2006 (REACH)
Processing Method	Extrusion
	Sheet extrusion 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 ¹ (Yield)	38.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	9.0	%	ASTM D638
Flexural Modulus			
--	2100	MPa	ASTM D790
-- ³	2000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	30	J/m	ASTM D256
23°C	4.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			
0.45 MPa, not annealed	122	°C	ASTM D648
0.45 MPa, not annealed	110	°C	ISO 75-2/B
Vicat Softening Temperature	159	°C	ISO 306/A, ASTM D1525 ⁴
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	25	%	ASTM D1003
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	5.0 mm/min		
4.	压力1 (10N)		

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