

# Capilene® G 78 TF

Polypropylene Homopolymer

Carmel Olefins Ltd.

Message:

CAPILENE® G 78 TF is a nucleated polypropylene homopolymer intended for sheet extrusion and thermoforming applications requiring improved transparency and higher stiffness than conventional polypropylene.

CAPILENE® G 78 TF features: nucleated, high stiffness, high clarity, good thermal stability, short molding cycle.

Applications

CAPILENE® G 78 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
Agency Ratings	EC 1907/2006 (REACH)
Appearance	Clear/transparent
Processing Method	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	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	37.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	1850	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	4.0	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	110	°C	ISO 75-2/B
Vicat Softening Temperature	159	°C	ISO 306/A
Optical	Nominal Value	Unit	Test Method
Haze (1000 µm)	25	%	ASTM D1003

## NOTE

1. 5.0 mm/min

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