

Capilene® M 50 F

Polypropylene Homopolymer

Carmel Olefins Ltd.

Message:

Capilene® M 50 F is a homopolymer grade, featuring: * High gloss & transparency * Good stiffness * Excellent processability

APPLICATIONS

This grade is mainly used in the cast non-oriented film: * As core layer in the co-extruded film * In blends with Capilene® M 45 F * This grade is used also in the blow-moulding and injection moulding processes

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	High Clarity		
	High Gloss		
	Homopolymer		
Uses	Cast Film		
	Film		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blown Film		
	Cast Film		
	Coextruded Film		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C, Injection Molded)	34.0	MPa	ASTM D638
Tensile Elongation (Yield, 23°C, Injection Molded)	12	%	ASTM D638
Flexural Modulus (23°C, Injection Molded)	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C, Injection Molded)	28	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	95.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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