

Capilene® CE 80 B

Polypropylene Random Copolymer

Carmel Olefins Ltd.

Message:

CAPILENE® CE 80 B is a specialty polypropylene combining the typical advantages of polypropylene random and heterophasic copolymers, and is designed for extrusion applications.

CAPILENE® CE 80 B features: excellent transparency, very high gloss, good stiffness/impact balance at room and low temperatures, good resistance to stress whitening, excellent organoleptic performance, energy saving and short cycle time.

Applications

CAPILENE® CE 80 B is suitable for: EBM of clear containers for detergents and cosmetics, sheet extrusion, thermoforming, corrugated sheets, profiles and films.

General Information	
Features	Excellent Organoleptic Properties
	Rigid, good
	Highlight
	Copolymer
	Stress whitening
	Impact resistance, good
	Low temperature impact resistance
	Definition, high
Uses	Films
	Wave plate
	Cosmetics
	Sheet
	Container
	Profile
Agency Ratings	EC 1907/2006 (REACH)
Appearance	Clear/transparent
Processing Method	Extrusion
	Sheet extrusion molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	15	%	ISO 527-2/50
Flexural Modulus ¹	900	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-20°C	3.5	kJ/m ²	ISO 180
23°C	50	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	70.0	°C	ISO 75-2/B
Vicat Softening Temperature	131	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	15	%	ASTM D1003
NOTE			
1.	5.0 mm/min		

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