

# Capilene® CE 50 E

Polypropylene Random Copolymer

Carmel Olefins Ltd.

Message:

CAPILENE ® CE 50 E is a specialty polypropylene combining the typical advantages of polypropylene random and heterophasic copolymers, and is designed for extrusion applications.

CAPILENE ® CE 50 E features: High transparency and gloss, good stiffness/impact balance at room and low temperatures, good resistance to stress whitening and excellent organoleptic performance.

Applications

CAPILENE ® CE 50 E is suitable for: EBM of clear containers for detergents and cosmetics, sheet extrusion, thermo-forming, corrugated sheets, profiles and films.

General Information			
Features	Excellent Organoleptic Properties		
	Rigid, good		
	Highlight		
	Copolymer		
	Stress whitening		
	Impact resistance, good		
	Low temperature impact resistance		
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
Flexural Modulus <sup>1</sup>	700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-20°C	3.5	kJ/m²	ISO 180

23°C	25	kJ/m <sup>2</sup>	ISO 180
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	32	%	ASTM D1003
NOTE			
1.	5.0 mm/min		

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