

Capilene® QE 73 B

Polypropylene Random Copolymer

Carmel Olefins Ltd.

Message:

Capilene® QE 73 B is a high transparency & gloss nucleated, random copolymer grade, featuring:

- Good mechanical properties combined with very good optical properties.
- Good processability.

This grade is mainly used in:

- Blow molding of highly transparent & glossy bottles and jars
- Extruded glossy and clear sheet
- Thermoforming

General Information			
Additive	Clarifier		
Features	High Clarity		
	High Gloss		
	Opticals		
	Random Copolymer		
Uses	Blow Molding Applications		
	Bottles		
	Film		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Film Extrusion		
	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)	28.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	15	%	ISO 527-2/50
Flexural Modulus ¹	1000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	15	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	72.0	°C	ISO 75-2/B
Vicat Softening Temperature	136	°C	ISO 306/A

Optical	Nominal Value	Unit	Test Method
Haze			ASTM D1003
1000 μm	8.0	%	
1600 μm	17	%	
NOTE			
1.	5.0 mm/min		

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