

# Capilene® CT 71 A

Polypropylene Random Copolymer

Carmel Olefins Ltd.

Message:

CAPILENE® CT 71 A is a specialty polypropylene combining the typical advantages of polypropylene random and heterophasic copolymers, and is designed for injection molding.

CAPILENE® CT 71 A features: high gloss, good stiffness/impact balance giving a safe solution with less or no sharp fractures that may injure children, good transparency, very low stress whitening, excellent organoleptic performance and short molding cycle.

Applications

CAPILENE® CT 71 A is suitable for: thin wall packaging, containers for packaging and storage, household goods, caps & closures, pails and boxes, appliances and toys.

General Information			
Features	Excellent Organoleptic Properties		
	Rigid, good		
	Highlight		
	Copolymer		
	Stress whitening		
	Impact resistance, good		
	Definition, high		
Uses	Thin wall packaging		
	Electrical appliances		
	Shield		
	Household goods		
	Container		
	Barrel		
	Shell		
Toys			
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Clear/transparent		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	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 <sup>1</sup>	850	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180

-20°C	3.0	kJ/m <sup>2</sup>	ISO 180
23°C	18	kJ/m <sup>2</sup>	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	129	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	30	%	ASTM D1003
NOTE			
1.	5.0 mm/min		

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#### Recommended distributors for this material

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