

Capilene® QT 80 A

Polypropylene Random Copolymer

Carmel Olefins Ltd.

Message:

CAPILENE ® QT 80 A is a polypropylene random copolymer intended for transparent thin wall injection molding articles.
CAPILENE ® QT 80 A features: clarifier and antistatic additives, good organoleptic properties, high flow, good balance of stiffness and impact strength at ambient temperature, low blooming, energy saving and short cycle time.
CAPILENE ® QT 80 A is suitable for: thin walled packaging items, household articles, toys and food packaging containers.

General Information			
Additive	Antistatic		
	Clarifier		
Features	Antistatic		
	Fast Molding Cycle		
	Good Impact Resistance		
	Good Organoleptic Properties		
	Good Stiffness		
	High Flow		
	Low Blooming		
	Medium Clarity		
	Random Copolymer		
Uses	Food Packaging		
	Household Goods		
	Thin-walled Packaging		
	Toys		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	25.0	MPa	ASTM D638
Yield	25.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield ²	14	%	ASTM D638
Yield	14	%	ISO 527-2/50

Flexural Modulus			
--	1050	MPa	ASTM D790
-- ³	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	55	J/m	ASTM D256
23°C	4.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	75.0	°C	ASTM D648, ISO 75-2/B
Vicat Softening Temperature	130	°C	ISO 306/A, ASTM D1525 ⁴
Optical	Nominal Value	Unit	Test Method
Haze ⁵ (1000 μm)	8.0	%	ASTM D1003
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	5.0 mm/min		
4.	Loading 1 (10 N)		
5.	Plaque		

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