

Capilene® T 50

Polypropylene Homopolymer

Carmel Olefins Ltd.

Message:

CAPILENE ® T 50 is a polypropylene homopolymer intended for general purpose injection molding.

CAPILENE ® T 50 features: high flow, good stiffness.

CAPILENE ® T 50 is suitable for: household articles, closures, rates, containers and garden furniture.

General Information			
Features	General Purpose		
	Good Stiffness		
	High Flow		
	Homopolymer		
Uses	Closures		
	Containers		
	Crates		
	Furniture		
	General Purpose		
	Household Goods		
	Lawn and Garden Equipment		
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	32.0	MPa	ASTM D638
Yield	30.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield ²	12	%	ASTM D638
Yield	12	%	ISO 527-2/50
Flexural Modulus			
--	1450	MPa	ASTM D790
-- ³	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	23	J/m	ASTM D256

23°C	2.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	97.0	°C	ASTM D648
0.45 MPa, Unannealed	80.0	°C	ISO 75-2/B
Vicat Softening Temperature	155	°C	ISO 306/A, ASTM D1525 ⁴
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	5.0 mm/min		
4.	Loading 1 (10 N)		

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