

Capilene® T 89 E

Polypropylene Homopolymer

Carmel Olefins Ltd.

Message:

CAPILENE ® T 89 E is a polypropylene homopolymer intended for fibre applications.

CAPILENE ® T 89 E features: anti-gasfading stabilisation, high flow and easy processability.

CAPILENE ® T 89 E is suitable for: continuous filaments (CF), bulk continuous filaments (BCF) and fine denier staple fibres; injection molding of household articles, closures, crates and containers.

General Information			
Features	Gas-fading Resistant		
	Good Processability		
	High Flow		
	Homopolymer		
Uses	Closures		
	Containers		
	Crates		
	Filaments		
	Household Goods		
	Staple Fibers		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
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	1450	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	25	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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