

# Capilene® T 12 EV

Polypropylene Homopolymer

Carmel Olefins Ltd.

## Message:

CAPILENE ® T 12 EV is a polypropylene homopolymer with narrow molecular weight distribution intended for spunbonded nonwovens. CAPILENE ® T 12 EV features: controlled rheology, anti-gasfading stabilisation, easy processability, high flow and optimal product consistency. CAPILENE ® T 12 EV is suitable for: spunbonded nonwoven fabric.

General Information			
Features	Controlled Rheology		
	Gas-fading Resistant		
	Good Processability		
	High Flow		
	Homopolymer		
	Narrow Molecular Weight Distribution		
Uses	Spunbond Nonwovens		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Spunbond Nonwovens		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	26	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield <sup>1</sup>	32.0	MPa	ASTM D638
Yield	30.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield <sup>2</sup>	12	%	ASTM D638
Yield	12	%	ISO 527-2/50
Flexural Modulus			
--	1350	MPa	ASTM D790
-- <sup>3</sup>	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	25	J/m	ASTM D256
23°C	3.0	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	109	°C	ASTM D648
0.45 MPa, Unannealed	80.0	°C	ISO 75-2/B

Vicat Softening Temperature	155	°C	ISO 306/A, ASTM D1525 <sup>4</sup>
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	5.0 mm/min		
4.	Loading 1 (10 N)		

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#### Recommended distributors for this material

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