

Capilene® MT 34 EC

Polypropylene
Carmel Olefins Ltd.

Message:

CAPILENE ® MT 34 EC is a special polypropylene designed for high speed extrusion coating and lamination.
CAPILENE ® MT 34 EC features: excellent processability, low coating weight, low neck-in, good adhesion to various substrates, high temperature resistance, good moisture barrier and good organoleptic properties.
CAPILENE ® MT 34 EC is suitable for: coating and lamination of paper, paperboards, plastic films, woven and nonwoven polypropylene based fabrics.

General Information			
Features	Moisture proof		
	Workability, good		
	Good sensory characteristics		
	Good adhesion		
	Heat resistance, high		
	Low shrinkage		
Uses	Laminate		
	Coating application		
	Non-woven fabric coating		
	Fabric coating		
	Fabric coating		
	Paper coating		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Processing Method	Lamination method		
	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus			
--	1000	MPa	ASTM D790
-- ¹	1000	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 ²	ISO 180

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	80.0	°C	ASTM D648
0.45 MPa, not annealed	65.0	°C	ISO 75-2/B
Vicat Softening Temperature	126	°C	ISO 306/A, ASTM D1525 ²
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	230	°C	
Cylinder Zone 2 Temp.	260	°C	
Cylinder Zone 3 Temp.	280	°C	
Cylinder Zone 4 Temp.	300	°C	
Cylinder Zone 5 Temp.	320	°C	
Adapter Temperature	310	°C	
Melt Temperature	280 - 330	°C	
Die Temperature	310	°C	
Extrusion instructions			
Feed Block Temperature: 310°C A nip distance from die to chill-roll of 150 to 220mm is recommended.			
NOTE			
1.	5.0 mm/min		
2.	压力1 (10N)		

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