

Capilene® QM 45 F

Polypropylene Random Copolymer

Carmel Olefins Ltd.

Message:

CAPILENE ® QM 45 F is a polypropylene random copolymer intended for highly transparent cast films.
CAPILENE ® QM 45 F features: slip and anti-blocking additives, high gloss, high transparency and good processability.
CAPILENE ® QM 45 F is suitable for: high quality cast films for packaging food and other items, lamination films, water-quenched blown films and injection molding products.

General Information	
Additive	Antiblock Slip
Features	Antiblocking Good Processability High Gloss Random Copolymer Slip
Uses	Cast Film Film Food Packaging Laminates Packaging
Agency Ratings	EC 1907/2006 (REACH)
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Blown Film Cast Film Injection Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.5	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	25.0	MPa	ASTM D638
Yield	23.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield ²	15	%	ASTM D638

Yield	15	%	ISO 527-2/50
Flexural Modulus			
--	900	MPa	ASTM D790
-- ³	850	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	50	J/m	ASTM D256
23°C	4.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	75.0	°C	ASTM D648
0.45 MPa, Unannealed	62.0	°C	ISO 75-2/B
Vicat Softening Temperature	132	°C	ISO 306/A, ASTM D1525 ⁴
Optical	Nominal Value	Unit	Test Method
Haze ⁵ (40.0 μm)	2.0	%	ASTM D1003
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	5.0 mm/min		
4.	Loading 1 (10 N)		
5.	Film		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT