

Technical Data Sheet

CAPILENE[®] M 45 F

Polypropylene Homopolymer

Description

CAPILENE[®] M 45 F is a polypropylene homopolymer developed for the production of cast films. It is formulated with slip and anti-blocking agents. Films made from CAPILENE[®] M 45 F show high gloss, high transparency and good stiffness.

Applications

CAPILENE[®] M 45 F is suitable for cast unoriented films on chill roll extrusion, for blown unoriented water-quenched films extrusion, and for blow molding and injection molding products. CAPILENE[®] M 45 F is also used in blends with CAPILENE[®] M 50 F, QM 45 F and QM 50 F.

Quality, Environment and Safety Regulations

Material Safety Data Sheet and Product Safety declarations are available on our web site <http://www.caol.co.il>

Properties		Method	Typical Value*	Unit
Physical				
Melt Flow Rate	(230°C/2.16Kg)	ISO 1133	8	g/10min
Mechanical				
Tensile Stress at Yield	(50mm/min)	ISO 527-2	32	MPa
Tensile Strain at Yield	(50mm/min)	ISO 527-2	13	%
Flexural Modulus	(5mm/min)	ISO 178	1400	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	3	KJ/m ²
Thermal				
Vicat Softening Temperature	(10N)	ISO 306	154	°C
Heat Deflection Temperature	(0.45MPa)	ISO 75-2	85	°C
Optical				
Haze	(40µm film)	ASTM D 1003	2.5	%

*Typical values; not to be construed as specifications.