

Technical Data Sheet

CAPILENE[®] M 45 F

Polypropylene Homopolymer

Description

CAPILENE[®] M 45 F is a polypropylene homopolymer intended for cast film extrusion.

CAPILENE[®] M 45 F features: slip and anti-blocking additives, slightly modified molecular weight distribution, high gloss, high transparency and good stiffness.

Applications

CAPILENE[®] M 45 F is suitable for: high quality cast films for packaging food and other items, lamination films, water-quenched blown films; blow molding and injection molding products.

Quality, Environment and Safety Regulations

Material Safety Data Sheets and other regulatory documents are available on our web site <http://www.caol.co.il>

Properties		Method	Typical Value*	Unit
Physical				
Melt Flow Rate	(230°C/2.16 kg)	ISO 1133	8	g/10 min
Mechanical				
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	32	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	13	%
Flexural Modulus	(5 mm/min)	ISO 178	1350	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	3	kJ/m ²
Thermal				
Vicat Softening Temperature	(10 N)	ISO 306	154	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	85	°C
Optical				
Haze	(40µm film)	ASTM D	2.5	%

**Typical values; not to be construed as specifications.*