

Technical Data Sheet

CAPILENE[®] E 50 E

Polypropylene Homopolymer

Description

CAPILENE[®] E 50 E is a low melt flow rate polypropylene homopolymer intended for extrusion, thermoforming and blow molding.

CAPILENE[®] E 50 E features: easy processability, good melt stability, good mechanical properties.

Applications

CAPILENE[®] E 50 E is suitable for: in-line and off-line extrusion-thermoforming process for the production of cups and containers; extrusion of foils, sheets, strapping, slit film yarn, ropes and nets.

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	1.8	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	12	%
Flexural Modulus	(5 mm/min)	ISO 178	1400	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	4	kJ/m ²
Thermal				
Vicat Softening Temperature	(10 N)	ISO 306	155	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	82	°C

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