

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/m²
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.

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