



## 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
<b>Physical</b>				
Melt Flow Rate	(230°C/2.16 kg)	ISO 1133	1.8	g/10 min
<b>Mechanical</b>				
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 <sup>2</sup>
<b>Thermal</b>				
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.

Carmel Olefins Ltd. POB 1468 Haifa 31014 Israel  
Web: <http://www.Carmel-Olefins.co.il>  
Email: [techserv@caol.co.il](mailto:techserv@caol.co.il)

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