



## Technical Data Sheet

# CAPILENE® R 50

## Polypropylene Homopolymer

### Description

**CAPILENE® R 50** is a polypropylene homopolymer intended for injection molding, characterized by good flow properties combined with good balance of stiffness and impact.

### Applications

**CAPILENE® R 50** is a general purpose homopolymer. Typical applications are household articles and garden furniture.

### 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

#### Physical

		Method	Typical Value*	Unit
Melt Flow Rate	(230°C/2.16Kg)	ISO 1133	12	g/10min

#### Mechanical

Tensile Stress at Yield	(50mm/min)	ISO 527-2	32	MPa
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Tensile Strain at Yield	(50mm/min)	ISO 527-2	11	%
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Flexural Modulus	(5mm/min)	ISO 178	1400	MPa
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Izod Impact Strength, notched	(+23°C)	ISO 180	2.3	KJ/m <sup>2</sup>
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#### Thermal

Vicat Softening Temperature	(10N)	ISO 306	155	°C
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Heat Deflection Temperature	(0.45MPa)	ISO 75-2	85	°C
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\*Typical values; not to be construed as specifications.

Fax: 972-4-8466958

Email: techserv@caol.co.il Web: <http://www.caol.co.il>

Carmel Olefins Ltd. POB 1468 Haifa 31014 Israel

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