

## Technical Data Sheet **CAPILENE<sup>®</sup> R 50** Polypropylene Homopolymer

## Description

**CAPILENE**<sup>®</sup> **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**<sup>®</sup> **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		Method	Typical Value*	Unit
Physical				
Melt Flow Rate	(230°C/2.16Kg)	ISO 1133	12	g/10min
Mechanical	(50mm/min)			
Tensile Stress at Yield	(50mm/min)	ISO 527-2	32	MPa
Tensile Strain at Yield	(50mm/min)	ISO 527-2	11	%
Flexural Modulus	(5mm/min)	ISO 178	1400	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	2.3	KJ/m <sup>2</sup>
Thermal				
Vicat Softening Temperature	(10N)	ISO 306	155	°C
Heat Deflection Temperature	(0.45MPa)	ISO 75-2	85	°C

\*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 Last updated: Feb-2008

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