

**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		Method	Typical Value*	Unit
<b>Physical</b>				
Melt Flow Rate	(230°C/2.16Kg)	ISO 1133	12	g/10min
<b>Mechanical</b>				
	(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>
<b>Thermal</b>				
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.*