

Technical Data Sheet
CAPILENE[®] R 50
Polypropylene Homopolymer
Description

CAPILENE[®] R 50 is a polypropylene homopolymer intended for general purpose injection molding.

CAPILENE[®] R 50 features: basic additive package.

Applications

CAPILENE[®] R 50 is suitable for: household articles, crates and flowerpots.

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	12	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	11	%
Flexural Modulus	(5 mm/min)	ISO 178	1400	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	3	kJ/m ²
Thermal				
Vicat Softening Temperature	(10 N)	ISO 306	155	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	85	°C

**Typical values; not to be construed as specifications.*