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CARMEL OLEFINS

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
Physical					
Melt Flow Rate		(230°C/2.16Kg)	ISO 11 <mark>33</mark>	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 ²
Thermal					
Vicat Softening Tempe	rature	(10N)	ISO 306	155	°C
Heat Deflection Tempe	erature	(0.45MPa)	ISO 75-2	85	°C

*Typical values; not to be construed as specifications.

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