



Producer: Carmel Olefins Ltd. / Israel

CAPILENE® R 50

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.

PROPERTIES	METHOD	TYPICAL VALUE *	UNIT
Physical			
Melt Flow Rate (230°C/2.16Kg)	ISO 1133	12	g/10min
Mechanical			
Tensile Stress at Yield (50mm/min)	ISO 527-2	32	Mpa
Tensile Strain at Yield (50mm/min)	ISO 527-2	11	%
Flexural Modulus (50mm/min)	ISO 178	1400	Mpa
Izod Impact Strength, notched (+23°C)	ISO 180	2.3	KJ/m ²
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.