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CARMEL OLEFINS

Technical Data Sheet CAPILENE[®] TR 50 Polypropylene Impact Copolymer

Description

CAPILENE® TR 50 is a very high impact polypropylene heterophasic copolymer intended for injection molding. CAPILENE® TR 50 features: excellent impact strength even at low temperature and good processability.

Applications

CAPILENE® TR 50 is suitable for: technical items, closures, crates and boxes.

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					1
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	19	MPa
Tensile Strain at Yield		(50 mm/min)	ISO 527-2	8	%
Flexural Modulus		(5 mm/min)	ISO 178	850	MPa
Izod Impact Strength,	notched	(+23°C)	ISO 180	40	kJ/m²
Izod Impact Strength,	notched	(-20°C)	ISO 180 🦯	8	kJ/m²
Thermal					
Vicat Softening Temperature		(10 N)	ISO 306	140	°C
Heat Deflection Tempe	erature	(0.45 MPa)	ISO 75-2	67	°C

*Typical values; not to be construed as specifications.

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