

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				
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/m ²
Izod Impact Strength, notched	(-20°C)	ISO 180	8	kJ/m ²
Thermal				
Vicat Softening Temperature	(10 N)	ISO 306	140	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	67	°C

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