

**Technical Data Sheet**
**CAPILENE<sup>®</sup> TR 50**
**Polypropylene Impact Copolymer**
**Description**

CAPILENE<sup>®</sup> TR 50 is a medium melt flow rate heterophasic copolymer with very high impact strength, even at low temperature, designed for injection molding. This grade combines good processability and mechanical properties.

**Applications**

CAPILENE<sup>®</sup> TR 50 is developed for injection molding of automotive parts, crates and pails.

**Quality, Environment and Safety Regulations**

Material Safety Data Sheets and Product Safety declarations are available on our web site <http://www.caol.co.il>

Properties		Method	Typical Value*	Unit
<b>Physical</b>				
Melt Flow Rate	(230°C/2.16Kg)	ISO 1133	12	g/10min
<b>Mechanical</b>				
Tensile Stress at Yield	(50mm/min)	ISO 527-2	19	MPa
Tensile Strain at Yield	(50mm/min)	ISO 527-2	8	%
Flexural Modulus	(5mm/min)	ISO 178	850	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	40	KJ/m <sup>2</sup>
Izod Impact Strength, notched	(-20°C)	ISO 180	8	KJ/m <sup>2</sup>
<b>Thermal</b>				
Vicat Softening Temperature	(10N)	ISO 306	140	°C
Heat Deflection Temperature	(0.45MPa)	ISO 75-2	65	°C

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