

**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 Sheet 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)	ASTM D 1238	12	g/10min
<b>Mechanical</b>				
Tensile Stress at Yield	(50mm/min)	ASTM D 638	19	MPa
Tensile Strain at Yield	(50mm/min)	ASTM D 638	8	%
Flexural Modulus		ASTM D 790	850	MPa
Izod Impact Strength, notched	(+23°C)	ASTM D 256	600	J/m
Izod Impact Strength, notched	(-20°C)	ASTM D 256	100	J/m
<b>Thermal</b>				
Vicat Softening Temperature	(10N)	ASTM D 1525	140	°C
Heat Deflection Temperature	(0.45MPa)	ASTM D 648	70	°C

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