

**Technical Data Sheet**
**CAPILENE<sup>®</sup> CT 80 A**
**Specialty Polypropylene**
**Description**

**CAPILENE<sup>®</sup> CT 80 A** is a specialty polypropylene combining the typical advantages of polypropylene random and heterophasic copolymers, and is designed for injection molding.

**CAPILENE<sup>®</sup> CT 80 A** features: excellent transparency, very high gloss, good stiffness/impact balance at room and low temperatures, good resistance to stress whitening, excellent organoleptic performance, energy saving and short cycle time.

**Applications**

**CAPILENE<sup>®</sup> CT 80 A** is suitable for: thin wall packaging, clear containers for food packaging, caps & closures, clear pails, large storage boxes, crates, heavy duty transparent toolboxes, appliances and toys.

**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
<b>Physical</b>				
Melt Flow Rate	(230°C/2.16 kg)	ISO 1133	25	g/10 min
<b>Mechanical</b>				
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	24	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	15	%
Flexural Modulus	(5 mm/min)	ISO 178	900	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	18	kJ/m <sup>2</sup>
Izod Impact Strength, notched	(0°C)	ISO 180	6	kJ/m <sup>2</sup>
Izod Impact Strength, notched	(-20°C)	ISO 180	3	kJ/m <sup>2</sup>
<b>Thermal</b>				
Vicat Softening Temperature	(A50)	ISO 306	131	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	70	°C
<b>Optical</b>				
Haze	(1 mm plaque)	ASTM D	12	%

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