

Technical Data Sheet**CAPILENE® U 77 A**
Polypropylene Homopolymer**Description**

CAPILENE® U 77 A is a polypropylene homopolymer intended for injection molding.

CAPILENE® U 77 A features: nucleating and antistatic additives, high flow, high stiffness and short molding cycle time.

Applications

CAPILENE® U 77 A is suitable for: thin walled packaging items, products with long flow length, household articles, toys and food packaging containers.

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	35	g/10 min
Mechanical				
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	36	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	9	%
Flexural Modulus	(5 mm/min)	ISO 178	1800	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	2.5	kJ/m ²
Thermal				
Vicat Softening Temperature	(10 N)	ISO 306	155	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	100	°C

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