

Technical Data Sheet
CAPILENE[®] SG 50
Polypropylene Impact Copolymer
Description

CAPILENE[®] SG 50 is a polypropylene heterophasic copolymer intended for injection molding.

CAPILENE[®] SG 50 features: good stiffness combined with high impact strength.

Applications

CAPILENE[®] SG 50 is suitable for: technical items, crates, toys, closures and household articles.

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	3.5	g/10 min
Mechanical				
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	25	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	9	%
Flexural Modulus	(5 mm/min)	ISO 178	1200	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	14	kJ/m ²
Izod Impact Strength, notched	(-20°C)	ISO 180	5	kJ/m ²
Thermal				
Vicat Softening Temperature	(10 N)	ISO 306	150	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	77	°C

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