

# CAPILENE® SG 50

## Polypropylene Impact Copolymer



### Product Description

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

### Features:

- Good impact
- Basic additive packaging
- Good stiffness

### Uses:

- Technical items
- Crates
- Toys
- Caps and closures
- Household articles

### Processing Methods:

- Injection molding

Properties		Method	Typical Value*	Unit
<b>Physical</b>				
<b>Melt Flow Rate</b>	(230°C/2.16 kg)	ISO 1133	3.5	g/10 min
<b>Mechanical</b>				
<b>Tensile Stress at Yield</b>	(50 mm/min)	ISO 527-2	24	MPa
<b>Tensile Strain at Yield</b>	(50 mm/min)	ISO 527-2	9	%
<b>Flexural Modulus</b>	(5 mm/min)	ISO 178	1200	MPa
<b>Izod Impact Strength, notched</b>	(+23°C)	ISO 180	14	kJ/m <sup>2</sup>
<b>Izod Impact Strength, notched</b>	(-20°C)	ISO 180	5	kJ/m <sup>2</sup>
<b>Thermal</b>				
<b>Vicat Softening Temperature</b>	(10 N)	ISO 306	150	°C
<b>Heat Deflection Temperature</b>	(0.45 MPa)	ISO 75-2	85	°C

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

### Health, Quality, Regulations and Safety

This product is not classified as dangerous substance. Material safety data sheets, international standards certificates (e.g. ISO 9001) and other regulatory documents are available on our website. This product is not intended for use in medical or pharmaceutical applications and we do not support its use for such applications.