

Technical Data Sheet
CAPILENE® TG 50
Polypropylene Impact Copolymer



Product Description

CAPILENE® TG 50 is a very high impact polypropylene heterophasic copolymer.

Features:

- Excellent impact at sub-zero temperature
- Basic additive packaging

Uses:

- Technical items
- Crates
- Caps and closures
- Boxes
- Luggage
- Toys

Processing Methods:

- Injection molding

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	20	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	9	%
Flexural Modulus	(5 mm/min)	ISO 178	1000	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	45	kJ/m ²
Izod Impact Strength, notched	(-20°C)	ISO 180	10	kJ/m ²
Thermal				
Vicat Softening Temperature	(10 N)	ISO 306	145	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	76	°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.

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