Technical Data Sheet

CAPILENE® TG 50

Polypropylene Impact Copolymer

Product Description

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

The exceptional impact resistance enables to encompass high amount of recycled material, thus providing a sustainable and economic solution, supporting circular economy.

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 and intended for industrial use, to produce plastic articles. Material safety data sheets, international standards certificates and other regulatory documents are available on our website. Carmel Olefins products have not been tested and therefore not validated for use in pharmaceutical/medical applications, and their suitability for these uses cannot be guaranteed. It is the customer's responsibility to test and approve their technical and regulatory suitability in order to satisfy themselves as to the particular purpose and application(s).

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Date: June 2024

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