



Technical Data Sheet

CAPILENE® Y 50 LE

Polypropylene Homopolymer



Product Description

CAPILENE® Y 50 LE is a polypropylene homopolymer intended for automotive applications, including interior trims, requiring low emission of volatiles according to VDA 278 method.

Features:	<ul style="list-style-type: none">• Low emission• Ultra high flow	<ul style="list-style-type: none">• Low warpage• Basic additive packaging
Uses:	<ul style="list-style-type: none">• Automotive interior trims• Automotive compounds• Thin wall packaging	<ul style="list-style-type: none">• Toys• Household articles
Processing Methods:	<ul style="list-style-type: none">• Injection molding	<ul style="list-style-type: none">• Compounding

Properties	Method	Typical Value*	Unit
Physical			
Melt Flow Rate	(230°C/2.16 kg) ISO 1133	150	g/10 min
Mechanical			
Tensile Stress at Yield	(50 mm/min) ISO 527-2	32	MPa
Tensile Strain at Yield	(50 mm/min) ISO 527-2	10	%
Flexural Modulus	(5 mm/min) ISO 178	1400	MPa
Izod Impact Strength, notched	(+23°C) ISO 180	2	kJ/m ²
Thermal			
Vicat Softening Temperature	(10 N) ISO 306	150	°C
Heat Deflection Temperature	(0.45 MPa) ISO 75-2	80	°C
Emissions			
VOC	VDA 278	Pass	
FOG	VDA 278	Pass	

*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: January 2024

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