

Experimental Technical Data Sheet

CAPILENE® E 78 E

Polypropylene Homopolymer



Product Description

CAPILENE® E 78 E is a polypropylene homopolymer intended for extrusion applications.

Features:	- High stiffness - Excellent transparency - Good melt strength	- Nucleated - Short cycle time	
Uses:	- Transparent trays - Food packaging	- Cups - Structural layer	
Processing Methods:	- Extrusion - Thermoforming	- Injection molding - Blown film	
Properties	Method	Typical Value*	Unit
Physical			
Melt Flow Rate	(230°C/2.16 kg) ISO 1133	1.8	g/10 min
Mechanical			
Tensile Stress at Yield	(50 mm/min) ISO 527-2	37	MPa
Tensile Strain at Yield	(50 mm/min) ISO 527-2	9	%
Flexural Modulus	(5 mm/min) ISO 178	1900	MPa
Izod Impact Strength, notched	(+23°C) ISO 180	4.0	kJ/m ²
Thermal			
Vicat Softening Temperature	(10 N) ISO 306	159	°C
Heat Deflection Temperature	(0.45 MPa) ISO 75-2	115	°C
Optical			
Haze	(1.0 mm plaque) ASTM D1003	25	%

*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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