

Technical Data Sheet

CAPILENE® U 12 EV **Polypropylene Homopolymer**


Product Description

CAPILENE® U 12 EV is a polypropylene homopolymer with narrow molecular weight distribution intended for spun-bonded nonwoven fabrics production.

Features:

- Controlled rheology
- Anti gas fading stabilization
- High flow
- Low warpage

Uses:

- Spun-bonded nonwoven fabrics

Processing Methods:

- Continuous filament
- Spun-bonding
- Extrusion

Properties		Method	Typical Value*	Unit
Physical				
Melt Flow Rate	(230°C/2.16 kg)	ISO 1133	34	g/10 min
Mechanical				
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	30	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	12	%
Flexural Modulus	(5 mm/min)	ISO 178	1250	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	2.5	kJ/m ²
Thermal				
Vicat Softening Temperature	(10 N)	ISO 306	150	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	80	°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. 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 2022

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