

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

\*Typical values; not to be construed as specifications.

