

**Product Description**

**CAPILENE® W 77 AV** is a polypropylene homopolymer intended for injection molding.

- Features:**
- Nucleated
  - Mold release
  - Controlled rheology
  - Very high flow
  - High stiffness
  - Short cycle time
  - Low warpage

- Uses:**
- Thin wall packaging
  - Household articles
  - Toys

- Processing Methods:**
- Injection molding

Properties		Method	Typical Value*	Unit
<b>Physical</b>				
<b>Melt Flow Rate</b>	(230°C/2.16 kg)	ISO 1133	55	g/10 min
<b>Mechanical</b>				
<b>Tensile Stress at Yield</b>	(50 mm/min)	ISO 527-2	36	MPa
<b>Tensile Strain at Yield</b>	(50 mm/min)	ISO 527-2	9	%
<b>Flexural Modulus</b>	(5 mm/min)	ISO 178	1850	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	153	°C
<b>Heat Deflection Temperature</b>	(0.45 MPa)	ISO 75-2	103	°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: January 2024**

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