

# CAPILENE® QW 80 AV

## Polypropylene Random Copolymer



### Product Description

**CAPILENE® QW 80 AV** is a polypropylene random copolymer intended for transparent thin wall articles and high-speed injection molding.

**Features:**

- Clarified
- Mold release
- Controlled rheology
- Very high flow
- 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	70	g/10 min
<b>Mechanical</b>				
<b>Tensile Stress at Yield</b>	(50 mm/min)	ISO 527-2	25	MPa
<b>Tensile Strain at Yield</b>	(50 mm/min)	ISO 527-2	12	%
<b>Flexural Modulus</b>	(5 mm/min)	ISO 178	1100	MPa
<b>Izod Impact Strength, notched</b>	(+23°C)	ISO 180	4	kJ/m <sup>2</sup>
<b>Thermal</b>				
<b>Vicat Softening Temperature</b>	(10 N)	ISO 306	130	°C
<b>Heat Deflection Temperature</b>	(0.45 MPa)	ISO 75-2	75	°C
<b>Optical</b>				
<b>Haze</b>	(1 mm plaque)	ASTM D1003	10	%

\*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. This product is not intended for use in medical or pharmaceutical applications and we do not support its use for such applications.