

Technical Data Sheet  
**CAPILENE® R 50**  
Polypropylene Homopolymer



### Product Description

**CAPILENE® R 50** is a polypropylene homopolymer intended for general-purpose applications.

<b>Features:</b>	<ul style="list-style-type: none"><li>• Basic additive package</li></ul>
<b>Uses:</b>	<ul style="list-style-type: none"><li>• Household articles</li><li>• Crates</li><li>• Injection molded items</li></ul>
<b>Processing Methods:</b>	<ul style="list-style-type: none"><li>• Injection molding</li></ul>

Properties		Method	Typical Value*	Unit
<b>Physical</b>				
<b>Melt Flow Rate</b>	(230°C/2.16 kg)	ISO 1133	12	g/10 min
<b>Mechanical</b>				
<b>Tensile Stress at Yield</b>	(50 mm/min)	ISO 527-2	32	MPa
<b>Tensile Strain at Yield</b>	(50 mm/min)	ISO 527-2	11	%
<b>Flexural Modulus</b>	(5 mm/min)	ISO 178	1400	MPa
<b>Izod Impact Strength, notched</b>	(+23°C)	ISO 180	3	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	82	°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. This product is not intended for use in medical or pharmaceutical applications and we do not support its use for such applications.

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**Date: June 2017**

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