

## Technical Data Sheet

# CAPILENE® CE 71 E

## Specialty Polypropylene



### Product Description

**CAPILENE® CE 71 E** is a specialty polypropylene combining typical advantages of polypropylene random and heterophasic copolymers, and is designed for extrusion applications.

<b>Features:</b>	<ul style="list-style-type: none"> <li>• Excellent impact</li> <li>• Very low stress whitening</li> <li>• Good organoleptic properties</li> <li>• Clarified</li> </ul>	<ul style="list-style-type: none"> <li>• Good transparency</li> <li>• High gloss</li> <li>• Short cycle time</li> </ul>
<b>Uses:</b>	<ul style="list-style-type: none"> <li>• Detergent and cosmetics clear containers</li> <li>• High clarity films</li> </ul>	<ul style="list-style-type: none"> <li>• Corrugated sheets</li> <li>• Profiles</li> </ul>
<b>Processing Methods:</b>	<ul style="list-style-type: none"> <li>• Blow Molding</li> <li>• Sheet extrusion</li> </ul>	<ul style="list-style-type: none"> <li>• Thermoforming</li> </ul>

Properties		Method	Typical Value*	Unit
<b>Physical</b>				
<b>Melt Flow Rate</b>	(230°C/2.16 kg)	ISO 1133	1.8	g/10 min
<b>Mechanical</b>				
<b>Tensile Stress at Yield</b>	(50 mm/min)	ISO 527-2	24	MPa
<b>Tensile Strain at Yield</b>	(50 mm/min)	ISO 527-2	21	%
<b>Flexural Modulus</b>	(5 mm/min)	ISO 178	850	MPa
<b>Izod Impact Strength, notched</b>	(+23°C)	ISO 180	55	kJ/m <sup>2</sup>
<b>Izod Impact Strength, notched</b>	(-20°C)	ISO 180	4	kJ/m <sup>2</sup>
<b>Thermal</b>				
<b>Vicat Softening Temperature</b>	(10 N)	ISO 306	135	°C
<b>Heat Deflection Temperature</b>	(0.45 MPa)	ISO 75-2	79	°C
<b>Optical</b>				
<b>Haze</b>	(1 mm plaque)	ASTM D1003	20	%

\*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.