

Technical Data Sheet  
**CAPILENE® QM 45 F**  
Polypropylene Random Copolymer



### Product Description

**CAPILENE® QM 45 F** is a polypropylene random copolymer intended for cast film extrusion.

<b>Features:</b>	<ul style="list-style-type: none"><li>• Excellent transparency</li><li>• High gloss</li></ul>	<ul style="list-style-type: none"><li>• Slip and antiblock additives</li></ul>
<b>Uses:</b>	<ul style="list-style-type: none"><li>• High clarity films</li><li>• Lamination films</li></ul>	<ul style="list-style-type: none"><li>• Food packaging</li><li>• Injection molded items</li></ul>
<b>Processing Methods:</b>	<ul style="list-style-type: none"><li>• Cast film extrusion</li></ul>	<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	9.5	g/10 min
<b>Mechanical</b>				
<b>Tensile Stress at Yield</b>	(50 mm/min)	ISO 527-2	23	MPa
<b>Tensile Strain at Yield</b>	(50 mm/min)	ISO 527-2	15	%
<b>Flexural Modulus</b>	(5 mm/min)	ISO 178	900	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	132	°C
<b>Heat Deflection Temperature</b>	(0.45 MPa)	ISO 75-2	70	°C
<b>Optical</b>				
<b>Haze</b>	(40 µm film)	ASTM D1003	2	%

\*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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