

## TOPAS<sup>®</sup> 8007F-600

Cyclic Olefin Copolymer (COC)

Extrusion grade for cast and blown film extrusion with improved processing behavior.

Property	Value	Unit	Test Standard
<b>Physical Properties</b>			
Density	1010	kg/m <sup>3</sup>	ISO 1183
Melt volume rate (MVR) (230°C, 2.16kg)	12	cm <sup>3</sup> /10min	ISO 1133
Melt volume rate (MVR) (190°C, 2.16kg)	2	cm <sup>3</sup> /10min	ISO 1133
Water absorption (23°C-sat)	0,01	%	ISO 62
<b>Thermal Properties</b>			
Glass transition temperature (10°C/min)	78	°C	ISO 11357-1,-2,-3
<b>Mechanical Properties (Film)</b>			
Tensile modulus (machine direction)	2100	Mpa	ISO 527-3
Tensile modulus (transverse direction)	1700	Mpa	ISO 527-3
Tensile strength @ break (machine direction)	55	Mpa	ISO 527-3
Tensile strength @ break (transverse direction)	50	Mpa	ISO 527-3
Elongation at break (machine direction)	3,4	%	ISO 527-3
Elongation at break (transverse direction)	3,4	%	ISO 527-3
<b>Barrier Properties (Film)</b>			
Water vapor permeability @ 38°C, 90% RH	0,85	g×100µm / m <sup>2</sup> ×day	ISO 15106-3
<b>Test Specimen Production (Film)</b>			
Type of extrusion	cast		
Thickness of specimen	0,07	mm	

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