

**TOPAS® 6013M-07**

Grade for injection molding with high heat resistance, high purity and improved processing behaviour.

Cyclic Olefin Copolymer (COC)

Property	Value	Unit	Test Standard
<b>Physical Properties</b>			
Density	1020	kg/m <sup>3</sup>	ISO 1183
Melt volume rate (MVR)	14.0	cm <sup>3</sup> /10min	ISO 1133
MVR test temperature	260	°C	ISO 1133
MVR test load	2.16	kg	ISO 1133
Water absorption (23°C-sat)	0.01	%	ISO 62
<b>Mechanical Properties</b>			
Tensile modulus (1mm/min)	2900	MPa	ISO 527-2/1A
Tensile stress at break (5mm/min)	63	MPa	ISO 527-2/1A
Tensile strain at break (5mm/min)	2.6	%	ISO 527-2/1A
Charpy impact strength @ 23C	14	KJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength @ 23°C	1.7	KJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
Glass transition temperature (10°C/min)	142	°C	ISO 11357-1,-2,-3
DTUL @ 0.45 MPa	130	°C	ISO 75-1, -2
<b>Optical Properties</b>			
Deg. of light transmission	91	%	ISO 13468-2
Refractive index	1.53	-	ISO 489

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