

## TOPAS® COC General Properties(ISO)

Item	Unit	Test Method	Special
			8007X10
			UV transparency
Color No.			
ISO Marking Code		ISO11469 (JIS K6999)	>COC<
Density	Kg/m <sup>3</sup>	ISO 1183	1,010
Water absorption (23°C, sat.)	%	ISO 62	0.01
MVR (260°C, 2.16kg)	cm <sup>3</sup> /10min	ISO 1133	32
Tensile modulus (1mm/min)	MPa	ISO 527- 2/1A	2,600
Tensile stress at break (5mm/min)	MPa	ISO 527- 2/1A	63
Tensile strain at break (5mm/min)	%	ISO 527- 2/1A	4.5
Charpy impact strength (unnotched)	kJ/m <sup>2</sup>	ISO 179/1eU	20
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	2.6
Glass transition temperature (10°C/min)	°C	ISO 11357- 1,-2,-3	78
Temperature of deflection under load (0.45MPa)	°C	ISO 75-1,2	75
Vicat softening temperature (50°C/h 50N)	°C	ISO 306	80
Volume resistivity	Ω·cm	IEC 60093	> 1 x 10 <sup>14</sup>
Relative permittivity at 1-10 kHz		IEC 60250	2.35
Tracking resistance (CTI)	V	IEC 60112	> 600
Light transmittance (2mmt)	%	ISO 13468-1	91
Refractive index		ISO 489	1.53
Flammability		UL94	
The yellow card File No.			
Appropriate List number of Ministerial Ordinance for Export Trade Control			

All figures in the table are the typical values of the material and not the minimum values of the material specifications. All data shown here are not always applicable to parts used under different conditions. We do not guarantee that these data are directly applicable to the application conditions of users and we ask each user to make his own decision on the application. For safe handling of materials we supply, it is advised to refer to the Material Safety Data Sheet "SDS" of the proper material. This brochure is edited based on reference literatures, information and data currently available to us. So the contents of this brochure are subject to change without notice due to new data.

