

TOPAS® COC General Properties(ISO)

Item	Unit	Test Method	High Flow
			5013L-10
			General Purpose for Injection Molding
Color No.			
ISO Marking Code		ISO11469 (JIS K6999)	>COC<
Density	Kg/m ³	ISO 1183	1,020
Water absorption (23°C, sat.)	%	ISO 62	0.01
MVR (260°C, 2.16kg)	cm ³ /10min	ISO 1133	48
Tensile modulus (1mm/min)	MPa	ISO 527-2/1A	3,200
Tensile stress at break (5mm/min)	MPa	ISO 527-2/1A	46
Tensile strain at break (5mm/min)	%	ISO 527-2/1A	1.7
Charpy impact strength (unnotched)	kJ/m ²	ISO 179/1eU	13
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	1.6
Glass transition temperature (10°C/min)	°C	ISO 11357-1,-2,-3	134
Temperature of deflection under load (0.45MPa)	°C	ISO 75-1,2	127
Volume resistivity	Ω·cm	IEC 60093	> 1 x 10 ¹⁴
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	HB
The yellow card File No.			E177491
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.

