

PROPERTIES	ITEM		Method	Unit	POM - NAT/BLK	
			ISO/(IEC)			
	Color		-	-	white/black	
	Density		1183	g/	1.41	
	Water absorption	After 24/96h immersion in water of 23	62	mg	20/37	
		At saturation air 23 , 50%RH	62	%	0.24/0.45	
At saturation in water of 23		-	%	0.20		
Thermal Properties	Melting Temperature		-	-	165	
	Thermal conductivity at 23 °C		-	W/(K·m)	0.31	
	Coefficient of linear Thermal expansion	Average value btw23~60 °C	-	m/(m·K)	110·10 ⁻⁶	
		Average value btw23~100 °C	-	m/(m·K)	125·10 ⁻⁶	
	Temperature of Deflection under load	Method A : 1.8Mpa *	75	-	105	
	Max. allowable Service temp. in air	For short periods Continuously : 5,000/20,000h	-	-	140	
			-	-	115/100	
	Min.service temperature		-	-	-50	
Flammability		UL94 (3/6mm thickness)	-	-	HB/HB	
Mechanical Properties at 23°C	Tension test	Tensile stress *	527	MPa	65	
		**	527	MPa	65	
		Tensile strainat break *	527	%	30	
		**	527	%	30	
		Tensile modulus of elasticity *	527	Mpa	3100	
	**	527	MPa	3100		
	Compression test	Compressive stress at 1/2/5/% nominal strain *	604	MPa	19/35/67	
	Izod impact strength -Notched		*	180/2A	- /	4.0
			**	180/2A	- /	-
	Rockwell hardness		*	2039-2	-	R115
Electric strength		*	(60243)	KV/mm	20	
		**	(60243)	KV/mm	20	
Volume resistivity		*	(60093)	Ω·cm	>10 ¹⁴	
		**	(60093)	Ω·cm	>10 ¹⁴	
Surface resistivity		*	(60093)	Ω	>10 ¹³	
		**	(60093)	Ω	>10 ¹³	
Electrical Properties at 23°C	Relative permittivity:	100Hz	*	(60250)	-	3.8
			**	(60250)	-	3.8
		1MHz	*	(60250)	-	3.8
			**	(60250)	-	3.8
	Dielectric dissipation factor:	100Hz	*	(60250)	-	0.003
			**	(60250)	-	0.003
		1MHz	*	(60250)	-	0.008
			**	(60250)	-	0.008
Comparative tracking index(CTI)		*	(60112)	-	600	
		**	(60112)	-	600	