

## DURANEX® PBT General Properties(ISO)

Item	Unit	Test Method	Hydrolysis Resistant, Heat Shock Resistant
			531HS GF30% Reinforced
Color No.			EF2001/ED3002
ISO Marking Code		ISO11469 (JIS K6999)	>PBT-I-GF30<
Density	g/cm <sup>3</sup>	ISO 1183	1.47
Water absorption (23°C,24hrs,1mmt)	%	ISO 62	0.2
Tensile strength	MPa	ISO 527-1,2	118
Strain at break	%	ISO 527-1,2	2.7
Flexural strength	MPa	ISO 178	187
Flexural modulus	MPa	ISO 178	8,100
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	10.8
Temperature of deflection under load (1.8MPa)	°C	ISO 75-1,2	208
Coefficient of linear thermal expansion (23 - 55°C、Flow direction)	x10 <sup>-5</sup> /°C	Our standard	2
Coefficient of linear thermal expansion (23 - 55°C、Transverse direction)	x10 <sup>-5</sup> /°C	Our standard	9
Electric strength (3mmt)	kV/mm	IEC 60243-1	16
Volume resistivity	Ω·cm	IEC 60093	1 x 10 <sup>16</sup>
Tracking resistance (CTI)	V	IEC 60112	-
Rockwell hardness	M(Scale)	ISO2039-2	75
Flammability		UL94	HB
The yellow card File No.			E213445
Appropriate List number of Ministerial Ordinance for Export Trade Control			Item 16 of Appendix -1

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.

