GAFONE™ PSU 物 性 表 Datasheets

项 目 Property		试验法 ASTM Method	单 位 Units	PSU			
				S-1300	S-1400	S-1500	S-1320GF
一般性质	密度(比重) Specific Gravity	D792	-	1.24	1.24	1.24	1.41
	吸水率(24 hours) Water Absorption	D570	%	0.30	0.30	0.30	0.50
	成型收缩率-3.18mm 截面 Mold Shrinkage-3.18mm section	D955	%	0.7	0.7	0.7	0.3
	填充含量 Filler content	-	%	0	0	0	20
机械性质	拉伸强度 Tensile Strength	D638	MPa	75	75	75	100
	拉伸模量 Tensile Modulus	D638	MPa	2700	2700	2700	6500
	拉伸断裂伸长率 Tensile Elongation at Break	D638	%	50~100	50~100	50~100	2.5
	弯曲强度 Flexural Strength	D790	MPa	110	110	110	148
	弯曲模量 Flexural Modulus	D790	MPa	2600	2600	2600	6500
	冲击强度(缺口) Impact Strength-Notched Izod	D256	J/m	50	50	50	60
热性质	热变形温度 DTUL at 264 psi (1.82 MPa)	D648	ºC	170	170	170	183
	玻璃转化温度 Glass Transition Temp.	D3482	ºC	187	187	187	187
	连续使用温度 Continuous Use Temp.	UL-746B	ºC	160	160	160	165
	线性热膨胀系数 Coefficient of Linear Thermal Expansion	D 696	10^{-5}/ºC	4.03	4.03	4.03	-
电气性质	介电强度 Dielectric Strength	D149	kV/mm	19	19	19	22
	介电常数 Dielectric Constant @ 60 Hz	D150	-	2.8	2.8	2.8	2.8
	介电损失 Dissipation Factor @ 60 Hz	D150	-	0.003	0.003	0.003	0.003
	体积电阻率 Volume Resistivity	D257	Ohm-cm	$>10^{16}$	$>10^{16}$	$>10^{16}$	$>10^{16}$
	表面电阻率 Surface Resistivity	D257	Ω/SQ	$>10^{14}$	$>10^{14}$	$>10^{14}$	$>10^{14}$
	相对电痕指数 Comparative Tracking Index	D3638	V	150	150	150	150
	耐电弧性 Arc Resistance	D495	sec	40	40	40	60
防火性	阻燃性 Flammability thickness	UL-94	-	V-0@3.2 mm	V-0@3.2 mm	V-0@3.2 mm	V-0@1.5 mm
	临界含氧指数 Limiting Oxygen Index	D2863	%	31	31	31	35

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.