

GAFONE™ PES 物性表 Datasheets

项 目 Property	试验法 ASTM Method	单 位 Units	PES								
			3100	3300	3400	3500	3600	3420GF	3330GF	3430GF	
一般 性质	密度(比重) Specific Gravity	D792	-	1.37	1.37	1.37	1.37	1.37	1.51	1.58	1.58
	吸水率(24 hours) Water Absorption	D570	%	0.56	0.56	0.56	0.56	0.56	0.50	0.50	0.50
	成型收缩率-3.18mm 截面 Mold Shrinkage-3.18mm section	D955	%	0.7	0.7	0.7	0.7	0.7	0.4	0.3	0.3
	填充含量 Filler content	-	%	0	0	0	0	0	20	30	30
机 械 性 质	拉伸强度 Tensile Strength	D638	MPa	91	90	90	90	90	120	140	140
	拉伸模量 Tensile Modulus	D638	MPa	2600	2800	2800	2800	2800	7000	10000	10000
	拉伸断裂伸长率 Tensile Elongation at Break	D638	%	>50	25~75	25~75	25~75	25~75	3.0	2.0	2.0
	弯曲强度 Flexural Strength	D790	MPa	124	120	120	120	120	175	200	200
	弯曲模量 Flexural Modulus	D790	MPa	2700	2600	2600	2600	2600	6500	9000	9000
	冲击强度(缺口) Impact Strength-Notched Izod	D256	J/m	70	50	50	50	50	60	90	90
热 性 质	热变形温度 DTUL at 264 psi (1.82 MPa)	D648	°C	200	200	200	200	200	210	215	215
	玻璃转化温度 Glass Transition Temp.	D3482	°C	225	225	225	225	225	225	225	225
	连续使用温度 Continuous Use Temp.	UL-746 B	°C	180	180	180	180	180	185	190	190
	线性热膨胀系数 Coefficient of Linear Thermal Expansion	D696	10 ⁻⁵ /°C	5.7	5.7	5.7	5.7	5.7	-	2.5	2.5
电 气 性 质	介电强度 Dielectric Strength	D149	kV/mm	16	16	16	16	16	20	20	20
	介电常数 Dielectric Constant @ 60 Hz	D150	-	3.2	3.2	3.2	3.2	3.2	-	-	-
	介电损失 Dissipation Factor @ 60 Hz	D150	-	0.004	0.004	0.004	0.004	0.004	-	-	-
	体积电阻率 Volume Resistivity	D257	Ohm-cm	>10 ¹⁶	>10 ¹⁶	>10 ¹⁶	>10 ¹⁶	>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	>10 ¹⁴	>10 ¹⁴	>10 ¹⁴	>10 ¹⁴
	相对电痕指数 Comparative Tracking Index	D3638	V	150	150	150	150	150	150	150	150
	耐电弧性 Arc Resistance	D495	sec	50	50	50	50	50	-	80	80
防 火 性	阻燃性 Flammability thickness	UL-94	-	V-0@0.8 mm	V-0@0.8 mm	V-0@0.8 mm	V-0@3.2 mm	V-0@3.2 mm	V-0@0.8 mm	V-0@0.8 mm	V-0@0.8 mm
	临界含氧指数 Limiting Oxygen Index	D2863	%	40	40	40	40	40	41	42	42

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.