

通用型改性塑料系列
General modified plastics series

材料特征 Material characteristics				玻纤增强型 Glass fiber reinforced		玻纤增强阻燃型 Glass fiber reinforced flame retardant	
测试项目 Test item	测试方法 Test method	测试条件 Test condition	单位 Unit	PET+GF15	PET+GF30	阻燃PET+GF15 Flame retardant PET+GF15	阻燃PET+GF30 Flame retardant PET+GF30
密度 Density	ISO 1183A	23°C	g/cm ³	1.46-1.48	1.54-1.58	1.5-1.54	1.65-1.69
燃烧残余 Combustion residue	ISO 3451	600°C	%	13-17	28-32	13-17	28-32
拉伸强度 Tensile strength	ISO 527	50mm/min	Mpa	120	155	115	150
断裂伸长率 Elongation at break	ISO 527	50mm/min	%	5	2.5	3.5	2
弯曲强度 Bending strength	ISO 178	2mm/min	Mpa	180	215	170	220
弯曲模量 Bending modulus	ISO 178	2mm/min	Mpa	6200	9600	5500	11000
简支梁缺口冲击强度 Charpy Notched Impact Strength	ISO 179	23°C	KJ/m ²	5.5	12	6.5	10
简支梁无缺口冲击强度 Charpy Impact Strength	ISO 179	23°C	KJ/m ²	40	55	35	50
热变形温度 Heat distortion temperature	ISO 75	1.82MPa	°C	185	215	205	220
维卡软化点 Vicat softening point	ISO 306	5KG	°C				
球压痕硬度 Ball Indentation Hardness	ISO 2039-1	23°C	Mpa	180	210	200	230
热老化性能 Thermal aging property		150°C	H				
阻燃性能 Flame retardant property	UL- 94			HB	HB	V-0	V-0

模具收缩率 Mold Shrinkage	内部方法 Internal method	23°C	%	0.6~1.0	0.3~0.5	0.6-1.0	0.3-0.5
推荐成型加工参数 Recommended molding parameters							
干燥温度 Drying temperature			°C	110-130	110-130	110-130	110-130
干燥时间 Drying time			h	2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0
成型温度 Forming Temperature			°C	230-265	230-280	230-265	230-265
喷嘴温度 Nozzle Temperature			°C	260	270	260	260
模具温度 Mold temperature			°C	60-80	60-80	60-80	60-80
典型用途 Typical use	<p>适用于节能灯头外壳及汽车头灯框架、后视镜外壳、加速器踏板风挡雨刷支承、车门把手、电子线圈骨架、风扇及外壳、电子开关等领域。 It is suitable for energy-saving lamp head housing and automobile headlight frame, rearview mirror housing, accelerator pedal windshield wiper support, door handle, electronic coil skeleton, fan and shell, electronic switch and other fields.</p>						
<p>上表中数据为产品实测性能，真实可靠，采用注射成型样片得到，仅供参考，不能作为材料标准值。可以根据客户的要求制作各类产品或在相应的范围内调整。 The data in the table above is the measured performance of the product, real and reliable, obtained by injection molding sample, for reference only, can not be used as the standard value of the material. Various products can be made according to customer requirements or adjusted within the corresponding range.</p>							