

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	PBT+GF10	PBT+GF20	PBT+GF30	阻燃PBT+GF10 Flame retardant PBT+GF10	阻燃PBT+GF20 Flame retardant PBT+GF20	阻燃PBT+GF30 Flame retardant PBT+GF30
密度 Density	ISO 1183A	23°C	g/cm ³	1.35-1.38	1.44-1.47	1.49-1.52	1.52-1.55	1.58-1.61	1.64-1.68
燃烧残余 Combustion residue	ISO 3451	600°C	%	8.0-12	18-22	28-32	8.0-12	18-22	28-32
拉伸强度 Tensile strength	ISO 527	50mm/min	Mpa	90	115	135	70	105	140
断裂伸长率 Elongation at break	ISO 527	50mm/min	%	5	5.5	2.5	3	2.5	2
弯曲强度 Bending strength	ISO 178	2mm/min	Mpa	130	158	191	120	150	190
弯曲模量 Bending modulus	ISO 178	2mm/min	Mpa	4200	6400	8500	7400	8500	9700
简支梁缺口冲击强度 Charpy Notched Impact Strength	ISO 179	23°C	KJ/m ²	4.5	9.5	12	4	8.2	10
简支梁无缺口冲击强度 Charpy Impact Strength	ISO 179	23°C	KJ/m ²	30	40	50	20	35	45
热变形温度 Heat distortion temperature	ISO 75	1.82MPa	°C	170	190	205	196	211	230
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	148	178	205	158	185	205
热老化性能 Thermal aging property		150°C	H						
阻燃性能 Flame retardant property	UL- 94			HB	HB	HB	V-0	V-0	V-0

模具收缩率 Mold Shrinkage	内部方法 Internal method	23°C	%	0.8~1.0	0.6~0.8	0.3~0.5	0.6~0.8	0.4~0.6	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	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	2.0-4.0	2.0-4.0
成型温度 Forming Temperature			°C	230-265	230-270	230-275	230-255	230-265	230-265
喷嘴温度 Nozzle Temperature			°C	260	265	270	250	260	260
模具温度 Mold temperature			°C	60-80	60-80	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>									