

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

材料特征 Material characteristics				填充高光型 Fill highlights	阻燃型 Flame Retardance	高抗冲型 High impact resistance	耐候型 Weather resistant	玻纤增强型 Glass fiber reinforced	
测试项目 Test item	测试方法 Test method	测试条件 Test condition	单位 Unit	高光PP High light PP	阻燃PP Flame retardant PP	增韧PP Toughened PP	耐候PP Weather-resistant PP	PP+GF20	PP+GF30
密度 Density	ISO 1183A	23℃	g/cm3	1.02-1.06	1.16-1.20	0.89-0.92	1.03-1.06	1.04-1.07	1.1-1.14
燃烧残余 Combustion residue	ISO 3451	600℃	%	18-22			18-22	18-22	28-32
拉伸强度 Tensile strength	ISO 527	50mm/min	Mpa	25	24	15	23	70	85
断裂伸长率 Elongation at break	ISO 527	50mm/min	%	150	200	550	150	10	8
弯曲强度 Bending strength	ISO 178	2mm/min	Mpa	30	23	17	35	95	115
弯曲模量 Bending modulus	ISO 178	2mm/min	Mpa	1400	1200	850	1500	4500	5500
简支梁缺口冲击强度 Charpy Notched Impact Strength	ISO 179	23℃	KJ/m²	5	4.5	不断 non-breaking	6.5	7	12
简支梁无缺口冲击强度 Charpy Impact Strength	ISO 179	23℃	KJ/m²	60	55		80	55	60
热变形温度 Heat distortion temperature	ISO 75	1.82MPa	℃					110	120
维卡软化点 Vicat softening point	ISO 306	5KG	℃						
球压痕硬度 Ball Indentation Hardness	ISO 2039-1	23℃	Mpa	60	55	50	65	105	115

热老化性能 Thermal aging property		150℃	H						
阻燃性能 Flame retardant property	UL- 94			HB	V0	HB	HB	HB	HB
模具收缩率 Mold Shrinkage	内部方法 Internal method	23℃	%	1.1-1.3	1.1-1.4	1.2-1.5	1.1-1.4	0.5-1.1	0.5-0.9
推荐成型加工参数 Recommended molding parameters									
干燥温度 Drying temperature			℃	80-90	80-90		80-90	85-95	85-95
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
成型温度 Forming Temperature			℃	210-230	190-220	190-220	210-230	220-240	220-240
喷嘴温度 Nozzle Temperature			℃	225	215	225	225	215	215
模具温度 Mold temperature			℃	30-80	30-80	30-80	30-80	30-80	30-80
典型用途 Typical use				电子、电器、小型家电等的外壳，作为ABS材料的替代材料 Enclosures for electronics, electrical appliances, small home appliances, etc., as an alternative to ABS materials		运动器材及童车配件等 Sports equipment and stroller accessories, etc	室外花盆和空调外机外壳等 Outdoor flower POTS and air conditioning outer shell, etc	电动工具外壳及空调风扇叶片等 Power tool housings and air conditioning fan blades	
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.									