

汽车专用改性塑料系列
Automotive special modified plastics series

材料特征 Material characteristics				增韧型 Toughened	增强增韧型 Enhanced toughening	矿粉填充增强增韧型 Mineral powder filling enhanced toughening					
测试项目 Test item	测试方法 Test method	测试条件 Test condition	单位 Unit	PP/PE	PP/PE	PP/PE-MD10	PP/PE-T15	PP/PE-T16	PP/PE-T20	PP/PE-T25	PP/PE-T30
熔点 Melting point	DIN 53736B1		°C	155	155	160	160	160	160	160	160
密度 Density	DIN 53479	23°C	g/cm3	0.91	0.91	0.98	1.02	1.03	1.05	1.09	1.12
拉伸强度 Tensile strength	DIN 53455	50mm/min	Mpa	24	24	22	22	22	20	20	20
断裂伸长率 Elongation at break	DIN 53455	50mm/min	%								
屈服伸长率 Elongation at yield	DIN 53455	50mm/min	%	6	6	6	7	7	6	6	6
弯曲强度 Bending strength	DIN 53452	14mm/min	Mpa	30	35	30	30	32	30	30	30
弯曲模量 Bending modulus	DIN 53452	14mm/min	Mpa	1200	1500	1250	1300	1350	1500	1700	1500
简支梁缺口冲击强度 Charpy Notched Impact Strength	DIN 53453	23°C	kJ/m2	15	12	22	22	22	25	20	25
简支梁冲击强度 Charpy impact strength	DIN 53453	23°C	kJ/m2	不断 non-breaking	不断 non-breaking	不断 non-breaking	不断 non-breaking	不断 non-breaking	不断 non-breaking	不断 non-breaking	不断 non-breaking
硬度 Hardness	DIN 53456	23°C	Mpa	65	70	65	70	75	65	65	65
热变形温度 Distortion temperature	DIN 53461	1.82MPa	°C								
维卡软化点 Vicat softening point	DIN 53460	5kg	°C(5kg)	145	145						
热老化性能 Thermal aging property	DIN 53497	150°C	H(150°C)	500	500	700	400	400	400	400	500

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填充物含量 Filling content	EN60	600°C	%			10	15	16	20	25	30
燃烧特性 Combustion characteristic	TL1010		mm/min	40	40	40	35	35	35	30	30
成型收缩率 Molding shrinkage			%	1.5-1.8	1.5-1.8	1.0-1.2	0.9-1.1	0.9-1.1	0.9-1.1	0.8-1.0	0.8-1.0
符合标准 Up to standard				TL52452A	TL52452	TL52388G	TL52388D	TL52388E	TL52388F	TL52283	TL52283A
推荐成型加工参数 Recommended molding parameters											
干燥温度 Drying temperature			°C			80-90	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	2.0-4.0
成型温度 Forming Temperature			°C	190-220	190-220	200-240	190-240	190-220	190-220	210-230	210-235
喷嘴温度 Nozzle Temperature			°C	215	215	225	225	225	225	235	235
模具温度 Mold temperature			°C	30-80	30-80	30-80	30-80	30-80	30-80	30-80	30-80
典型用途 Typical use	<p>汽车内外饰件（保险杠、仪表板、副仪表板、暖风机壳体、车身门板、行李箱衬垫、护板、盖板、挡泥板、空气滤清器、杂物箱、立柱、出风口等） Automotive interior and exterior trim (bumper, instrument panel, sub-instrument panel, heater shell, body door panel, trunk liner, guard plate, cover plate, fender, air filter, utility box, column, air outlet, etc.)</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.