

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

材料特征 Material characteristics				耐热型 Heat resistant			高耐热型 High heat resistance		电镀型 Electroplate
测试项目 Test item	测试方法 Test method	测试条件 Test condition	单位 Unit	耐热ABS Heat-resistant ABS	耐热ABS Heat-resistant ABS	耐热ABS Heat-resistant ABS	耐热ABS Heat-resistant ABS	耐热ABS Heat-resistant ABS	电镀ABS Electroplated ABS
熔点 Melting point	DIN 53736B1		°C						
密度 Density	DIN 53479	23°C	g/cm3	1.04	1.04	1.05	1.06	1.07	1.04
拉伸强度 Tensile strength	DIN 53455	50mm/min	Mpa	37	40	45	48	50	48
断裂伸长率 Elongation at break	DIN 53455	50mm/min	%	40	40	35	30	20	30
屈服伸长率 Elongation at yield	DIN 53455	50mm/min	%						
弯曲强度 Bending strength	DIN 53452	14mm/min	Mpa	70	72	75	78	85	78
弯曲模量 Bending modulus	DIN 53452	14mm/min	Mpa	2200	2250	2300	2400	2500	2400
简支梁缺口冲击强度 Charpy Notched Impact Strength	DIN 53453	23°C	kJ/m2	28	20	15	13	10	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	100	80	70	不断 non-breaking
硬度 Hardness	DIN 53456	23°C	Mpa	105	110	115	120	125	110
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)	95	101	108	115	120	93
热老化性能 Thermal aging property	DIN 53497	150°C	H(150°C)						

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填充物含量 Filling content	EN60	600°C	%						
燃烧特性 Combustion characteristic	TL1010		mm/min	35	35	35	30	30	35
成型收缩率 Molding shrinkage			%	0.4-0.7	0.4-0.7	0.4-0.7	0.4-0.7	0.4-0.7	0.4-0.7
符合标准 Up to standard				TL527	TL527A	TL527B			
推荐成型加工参数 Recommended molding parameters									
干燥温度 Drying temperature			°C	85-95	85-95	85-95	85-95	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	210-240	210-240	220-250	220-250	220-250	220-250
喷嘴温度 Nozzle Temperature			°C	235	235	235	235	235	235
模具温度 Mold temperature			°C	30-80	30-80	30-80	30-80	30-80	30-80

典型用途 Typical use
 汽车内外饰件（汽车散热器格栅、中央通道、杂物箱、副仪表板、仪表板骨架、汽车标牌、横梁、音箱盖板、后视镜框等）
 Automobile interior and exterior trim (automobile radiator grille, central channel, utility box, sub-instrument panel, instrument panel frame, automobile signage, beam, speaker cover plate, rearview mirror frame, etc.)

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.