

KPL1060

- * **Description** PP Long glass fiber 60% reinforced
- * **Characteristics** Rigidity, Creep resistance, Low temp impact strength
- * **Application** Automobile : FEM, Door module, Fan shroud, Mirror frame etc

Properties	Test Method	Condition	Unit	Value
Miscellaneous properties				
Density (密度)	ISO 1183			1.44
Water Absorption (吸水率)	ISO 62	23°C, Water 24h	%	
Poisson's Ratio (泊松比)	ISO 527-1/-2	23°C		
Mold Shrinkage (3T)	ISO 294-4	Flow	%	0.1-0.4
(收缩率)		X-Flow	%	
Thermal properties				
Melting Point (熔点)	DSC		°C	165
Heat Deflection Temperature	ISO 75-1/-2	0.45MPa	°C	
(热变形温度)	(Flatwise)	1.8MPa	°C	165
Thermal Expansion (线膨胀系数)	ISO 11359-1/-2		x10 ⁻⁵ 1/K	
Flammability (阻燃等级)	UL94			HB
Mechanical properties				
Tensile Strength (拉伸强度)	ISO 527-1/-2	23°C	MPa	155
Tensile Modulus (拉伸模量)	ISO 527-1/-2	23°C	MPa	12500
Tensile Elongation (伸长率)	ISO 527-1/-2	23°C	%	1.5
Flexural Strength (弯曲强度)	ISO 178	23°C	MPa	220
Flexural Modulus (弯曲模量)	ISO 178	23°C	MPa	13565
Charpy Impact Strength (简支梁冲击强度)	ISO 179/1eU	Unnotched	KJ/m ²	82
	ISO 179/1eA	Notched	KJ/m ²	42
Rockwell Hardness (洛氏硬度)	ISO 2039-2	R-scale		110
Electrical properties				
Dielectric Constant (介电常数)	IEC 60250	1 MHz		
Dielectric Dissipation Factor (介质损耗因数)	IEC 60250	1 MHz		
Volume Resistivity (体积电阻系数)	IEC 60093		Ω.cm	
Dielectric Strength (介电强度)	IEC 60243-1		KV/mm	

Notice : Above property data are typical values mesured by test standard but not guaranties values

