

Preliminary Datasheet

GLF HER6000



GLF HER6000 is a thermoplastic elastomer,a member of the GLF polyamide 12 family of resins,with good impact resistant,heat resistant and insulating property properties.

在23℃下的典型值 Typical values at 23℃

	单位 Unit	测试标准 Test method	代表值 Values
产品特性 Product features			
密度 Density	Kg/m3	ISO 1183	1.01
填料含量, 玻纤 (GF), 玻璃珠 (GB), 矿粉 (M) Reinforcing filler, Glass fibre (GF), Glass beads (GB), Mineral (M)	%	—	Unfilled
阻燃型 (F), 抗冲击型 (P) Flame retardant (F), Impact modifier (P)	—	—	F
颜色: 自然色 (n), 已着色 (c), 黑色 (bk), 特色色 (sp) Colors: natural (n), colored (c), black (bk), special colors (sp)	—	—	Natural color
饱和吸水率, 在23℃水中 Water absorption, saturation in water at 23℃	%	similar to ISO 62	1.2
饱和吸湿率, 在标准环境下23℃/50%相对湿度 Moisture absorption, saturation in standard conditioning atmosphere 23℃/50%r.h.	%	similar to ISO 62	0.6
成型加工 Processing methods			
注塑成型 (M), 挤出成型 (E) Injection molding (M), Extrusion (E)	—	—	M/E
熔点, DSC Melting Temperature, DSC	℃	ISO 3146	159
熔体温度范围, 注塑成型/挤出成型 Melt temperature range, injection molding/Extrusion	℃	—	200
模具温度范围 Mold temperature range	℃	—	25~60
机械特性 Mechanical properties			
拉伸断裂应力 stress at break	MPa	ASTM D 638	52
断裂伸长率 (v=50mm/min) Strain at break *(V=5mm/min)	%	ASTM D 638	> 450
弯曲模量 Flexural Modulus	MPa	ISO 178	170
简支梁冲击强度 Charpy impact strength +23℃	kJ/m2	ISO 179/1eU	No break
简支梁缺口冲击强度 Charpy notched impact strength +23℃	kJ/m2	ISO 179/1eA	No break
硬度 Hardness Shore	Shore D	ISO 868	54
热性能 Thermal properties			
热变形温度, 1.8 MPa 负荷 (HDT/A) Heat deflection temp. under 1.8 MPa load (HDT/A) °C		ISO 75-2	45
热变形温度, 0.45 Mpa 负荷 (HDT/B) Heat deflection temp. under 0.45 MPa load (HDT/ °C		ISO 75-2	115
电性能 Electrical Properties			
体积电阻 Volume resistivity	Ω·cm	IEC 60093	1.00E+13
表面电阻 Surface resistivity	Ω	IEC 60093	1.00E+12
耐电强度 Electric strength、K20/P50	kV/mm	IEC 243/1	35
相对电弧痕迹指数CTI Comparative tracking index CTI	V	IEC 60112	600