



Product Information 产品信息

Paryls® Polysulfone(PSU) F3150 GL20

Latest Revision: Feb. 24th, 2021

物理形态和储存 Physical form and storage

Paryls® PSU F3150 GL20 颗粒以 25kg 内衬铝箔袋包装，可以无限期的保存在无破损的纸箱包装袋中。

Paryls® PSU F3150 GL20 pellets are supplied in aluminum foil bags, which can be stored indefinitely, provided the packaging remains undamaged.

Paryls® PSU F3150 GL20 吸水很快，因此材料在加工前至少需在 160℃ 真空烘箱或除湿式干燥机中干燥 6 小时。

Paryls® PSU F3150 GL20 pellets absorb moisture very rapidly. Therefore, the pellets need to be dried at least 6h at 160 °C in a vacuum or dry air drier prior to processing.

产品特点 Products Features

Paryls® F3150 GL20 树脂是一种 20%玻纤增强聚砜（PSU）。

Paruls® F3150 GL20, resin is a 20% glass fiber reinforced Polysulfone (PSU).

- 本色(Natural): PSU F3150 GL20 NC 黑色(Black): PSU F3150 GL20 BK 白色(White): PSU F3150 GL20 WH

注 Note

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未着色产品的典型值，在 23℃ 下 Typical values for uncolored product at 23 °C	测试方法 Test method	单位 Unit	典型值 Typical Values
机械性能 Mechanical Properties			
拉伸强度 Tensile Strength(Break)	ISO 527-1/-2	MPa	94
拉伸模量 Tensile Modulus	ISO 527-1/-2	MPa	6000
断裂伸长率 Tensile Elongation(Break)	ISO 527-1/-2	%	2.2
弯曲强度 Flexural Strength	ISO 178	MPa	148
弯曲模量 Flexural Modulus	ISO 178	MPa	6000
Izod 缺口冲击强度 Notched Izod Impact	ISO 180/A	kJ/m ²	7.0
热性能 Thermal properties			
热变形温度 HDT/A @1.8MPa Heat Deflection Temperature	ISO 75-1/-2	°C	183
线性膨胀系数@23℃, CLTE-Flow	ISO11359-1/-2	E-6/K	26
电性能 Electrical Properties			
体积电阻率 100V Volume Resistivity	IEC 60093	Ω · m	>1E13
表面电阻率 100V Surface Resistivity		Ω	>1E15
相对介电常数 Dielectric Constant	IEC 60250	@100HZ	3.5
		@1MHZ	3.5
介电损耗因子 Dissipation factor	IEC 60250	@100HZ	10
		@1MHZ	60
介电强度 K20/K20, (60*60*1 mm ³) Dielectric Strength	IEC 60243-1	KV/mm	46
相对漏电起痕指数, CTI	IEC 60112	-	125
燃烧特性 Flammability			
厚度 3.0mm, Flame Rating@3mm thickness	UL94	Class	HB
厚度 4.5mm, Flame Rating@4.5mm thickness	UL94	Class	V0
一般及加工性能 General Properties and Processability			
熔融指数 MFR @343℃/2.16kg	ISO 1133	g/10min	3-11
密度 Density	ISO1183	g/cm ³	1.40
饱和吸水率@23℃/50%相对湿度 Moisture Absorption, Equilibrium 23℃/50% r.h	ISO62	%	0.2
模塑收缩率（平行）Mold shrinkage(Flow)	ISO 2577, 294-4	-	0.3
模塑收缩率（垂直）Mold shrinkage (Vertical)	ISO 2577, 294-4	-	0.5
熔体温度范围，注塑/挤出成型 Processing (Melt)Temp, Injection/Extrusion	-	°C	350-390
模具温度范围，注塑/挤出成型 Mold Temp, Injection/Extrusion	-	°C	130-180

备注 Notes:

典型值 Typical values: 此典型值不应被解释为技术规范 These are not to be construed as specifications.