产品信息 Product Information

Paryls® Polysulfone(PSU) F3050

Latest Revision: July 01th,2016

物理形态和储存 Physical form and storage

PARYLS® PSU F3050 颗粒以 25kg 内衬铝箔袋硬纸箱包装，可以无限期的保存在无破损的纸箱包装袋中。
PARYLS® PSU F3050 pellets are supplied in cartons lining aluminum foil bag, which can be stored indefinitely, provided the packaging remains undamaged.

PARYLS® PSU F3050 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 F3050 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.

注 Note

本资料内容基于我司目前掌握的知识和经验。由于存在诸多因素可能影响我们产品的应用和加工，因此本公司不排除用户进行试验研究的必要。本资料也不保证具体应用的适应性或某些性能的可靠性。 这里的任何描述、图纸、照片、数据、大小、重量等可能不事先通知而更改，但不包括已经达成一致的合同。
The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product.

物理性能 Physical	测试方法 Test method	单位 Unit	代表值 Values
机械性能 Mechanical Properties			
拉伸强度 Tensile Strength	ISO 527-1/-2	MPa	68
拉伸模量 Tensile Modulus	ISO 527-1/-2	MPa	2600
屈服伸长率 Tensile Elongation(Yield)	ISO 527-1/-2	%	5.7
弯曲强度 Flexural Strength	ISO 178	MPa	105
弯曲模量 Flexural Modulus	ISO 178	MPa	2480
Izod 缺口冲击强度 Notched Izod Impact	ISO 180/A	kJ/m^2	5.5
热性能 Thermal Properties			
热变形温度 HDT/A @1.8MPa Heat Deflection Temperature	ISO 75-1/-2	℃	170
玻璃化转变温度 Tg，DSC，10℃/min	ISO 11357-1/-2	℃	185
线性膨胀系@23℃，CLTE-Flow	ISO11359-1/-2	E-6/K	53
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 @100HZ	IEC 60250	-	3.1
相对介电常数 Dielectric Constant @1MHZ		-	3.1
介电损耗因子 Dissipation factor @100HZ	IEC 60250	E-4	8
介电损耗因子 Dissipation factor @1MHZ		E-4	64
介电强度 K20/K20, (60*60*1 mm^3) Dielectric Strength	IEC 60243-1	KV/mm	40
相对漏电起痕指数，CTI	IEC 60112	-	125
燃烧特性 Flammability			
厚度 3mm, 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			
密度 Density	ISO1183	g/cm^3	1.24
吸水率@23℃/50%相对湿度 Water Absorption	ISO62	%	0.3
模塑收缩率（平行）Mold shrinkage(Flow)	ISO 2577, 294-4	-	0.68
模塑收缩率（垂直）Mold shrinkage (Vertical)	ISO 2577, 294-4	-	0.72
熔融指数 MFR @343℃/2.16kg	ISO 1133	g/10min	3.0-6.0
熔体温度范围，注塑/挤出成型 Processing (Melt)Temp, Injection/Extrusion	-	℃	320-370
模具温度范围，注塑/挤出成型 Mold Temp, Injection/Extrusion	-	℃	120-160

备注 Notes:

典型值：此典型值不应解释为规格。Typical properties: These are not to be construed as specifications.