

产品信息 Product Information

Paryls® Polyphenylsulfone(PPSU) F1150

Latest Revision: July 01th,2016

物理形态和储存 Physical form and storage

PARYLS® PPSU F1150 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® PPSU F1150 pellets are supplied in cartons lining aluminum foil bag, which can be stored indefinitely, provided the packaging remains undamaged.

PARYLS® PPSU F1150 吸水很快, 因此材料在加工前至少需在 180°C 真空烘箱或除湿式干燥机中干燥 6 小时。

PARYLS® PPSU F1150 pellets absorb moisture very rapidly. Therefore, the pellets need to be dried at least 6h at 180 °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 and 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 | 70 |
| 拉伸模量 Tensile Modulus | ISO 527-1/-2 | MPa | 2270 |
| 屈服伸长率 Tensile Elongation(Yield) | ISO 527-1/-2 | % | 7.8 |
| 弯曲强度 Flexural Strength | ISO 178 | MPa | 105 |
| 弯曲模量 Flexural Modulus | ISO 178 | MPa | 2400 |
| Izod 缺口冲击强度 Notched Izod Impact | ISO 180/A | KJ/m ² | 68 |
| 热性能 Thermal Properties | | | |
| 热变形温度 HDT/A @1.8MPa Heat Deflection Temperature | ISO 75-1/-2 | °C | 196 |
| 玻璃化转变温度, DSC, 10°C/min Glass Transition Temperature | ISO 11357-1/-2 | °C | 220 |
| 线性膨胀系@23°C, CLTE-Flow | ISO11359-1/-2 | E-6/K | 55 |
| 阻燃性 Flammability | | | |
| 厚度 1.5mm, Flame Rating@1.5mm thickness | UL94 | Class | V-0 |
| 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 @1MHZ | IEC 60250 | - | 3.8 |
| | | - | 3.7 |
| 介电损耗因子 Dissipation factor @100HZ @1MHZ | IEC 60250 | E-4 | 15 |
| | | E-4 | 86 |
| 介电强度 K20/K20, (60*60*1 mm ³)Dielectric Strength | IEC 60243-1 | KV/mm | 44 |
| 相对漏电起痕指数, CTI | IEC 60112 | - | 150 |
| 一般及加工性能 General Properties and Processability | | | |
| 密度 Density | ISO1183 | g/cm ³ | 1.29 |
| 吸水率@23°C/50%相对湿度 Water Absorption | ISO62 | % | 0.35 |
| 模塑收缩率(平行) Mold shrinkage(Flow) | ISO 2577, 294-4 | - | 0.9 |
| 模塑收缩率(垂直) Mold shrinkage (Vertical) | ISO 2577, 294-4 | - | 1.0 |
| 熔融指数 MFR @365°C/5kg | ISO 1133 | g/10min | 10-18 |
| 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 | 140-180 |

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.