

PPS-SGM651L55

Polyphenylene Sulfide Resins

产品描述

Description:

Sciengy® PPS-SGM651L55 是一种 55%玻璃纤维和矿物增强的线性低氯聚苯硫醚改性材料,CL 含量小于 900PPM,具备高模量,低形变,卓越的机械性能和绝缘性能,主要应用于无卤要求的产品领域。

PPS-SGM651L55 is a 55% glass fiber and mineral reinforced low chlorine polyphenylene sulfide compound, its CL content is in 900PPM below,developed to provide high modulus, low warp, excellent mechanical and electrical performance mainly used in the field of halogen free requirements.

物理性能 Physical Properties	单位 Units	检测标准 Test Standard	典型值 Value
密度 Density	g/cm ³	ISO 1183	1.80
成型收缩率 - 平行 Mold shrinkage(Machine Direction)	%	GB/T 15585	0.2
成型收缩率 - 垂直 Mold shrinkage(Transverse Direction)	%	GB/T 15585	0.6
吸水率 (23°C-sat) Water absorption (23°C-sat)	%	ISO 62	0.02
机械性能 Mechanical Properties	单位 Units	检测标准 Test Standard	典型值 Value
拉伸强度 Tensile stress at break(5mm/min)	MPa	ISO 527	170
拉伸模量 Tensile modulus at break (1mm/min)	GPa	ISO 527	18
断裂伸长率 Elongation at break (23°C)	%	ISO 527	1.5
弯曲模量 Flexural Modulus at break (23°C)	GPa	ISO 178	18
弯曲强度 Flexural Strength at break	MPa	ISO178	250
缺口冲击强度 Charpy Impact Strength@23°C (V-notched)	kJ/m ²	ISO 179	9.0
无缺口冲击强度 Unnotched Charpy Impact Strength@23°C	kJ/m ²	ISO 179	50
热性能 Thermal Properties	单位 Units	检测标准 Test Standard	典型值 Value
熔化温度(10°C/min) Melting temperature (10°C/min)	°C	ISO 11357	280
热变形温度 Heat Deflection Tem p High Load (1.8MPa)	°C	ISO 75	265
线性膨胀系数 Coeff.of Linear Them.expansion(parallel)	E-4/°C	ISO 11359-2	0.25

山东赛恩吉新材料有限公司

Shandong Sciengy New Materials Co., Ltd

中国-山东-滨州高新区高十三路 511 号

No.511,Road Gao Shi San,High-tech industrial Development Zone,Binzhou

Tel:86-543-5020651 Fax:86-543-5020886

Email:sales@sciengy.com

www.sciengy.com



线性膨胀系数			
Coeff.of Linear Them.expansion((normal)	E-4/°C	ISO 11359-2	0.35
阻燃性.			
Flammability (0.3mm)	class	UL-94	V-0
阻燃性.			
Flammability (3.0mm)	class	UL-94	V-0
电性能	单位	检测标准	典型值\
Electrical properties	Units	Test Standard	Value
介电强度			
Dielectric Strength	KV/mm	IEC 60243	15
介电常数			
Relative Permittivity(4GHZ)		IEC 60250	5.0
损耗系数			
Dissipation Factor(4GHZ)		IEC 60250	0.003
体积电阻率			
Volume resistivity	Ω·cm	IEC 60093	10 ¹⁵
表面电阻率			
Surface resistivity	Ω·cm	IEC 60093	10 ¹⁵
漏电起痕指数			
CTI	V	IEC 60112	>200
注塑条件	单位	检测标准	典型值
Injection Processing	Units	Test Standard	Value
预干燥			
Drying Temp./Time			150°C&3h
注射压力			
Injection Pressure	MPa		30~100
注塑成型熔体温度			
Injection Molding Melt Temp.	°C	ISO 294	290~330
注塑成型模具温度			
Injection Molding Mold Temp.	°C	ISO 294	120~160
筒内极限驻留时间			
Limit in-cylinder retention time			300°C/60min 320°C/30min

免责声明

Disclaimer

使用本产品前请参考材料安全数据，本数据表中包含的信息是基于对赛恩吉新材料有限公司（赛恩吉）研究试验。建议用户，并提醒自己作出自己的决定和评估的安全性和适用性的产品的具体使用问题，并进一步建议不要依靠此处包含的信息，因为它可能涉及到任何特定的使用或应用，确保产品的适合性和信息的使用是用户的具体应用，是用户的最终责任，赛恩吉不保证产品应用的准确性或完整性。

Please refer to Material Safety Data before using this product, The information contained in this data sheet is based on tests of research of Sciengy New Materials Co.,Ltd(Sciengy). The user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Sciengy no warranty is given concerning the accuracy or completeness thereof.