

CAMPUS® 数据表



VALOX™ FR Resin ENH4560 - PBT-GF30 FR SABIC

材料文字说明

VALOX ENH4560 is a 30% glass reinforced, non-chlorinated/brominated flame retardant Polybutylene Terephthalate (PBT) injection moldable grade with excellent chemical resistance. It has a UL94V0@0.80mm and 5VA@3.0mm flame rating. This is a good candidate for a variety of applications needing a sustainable FR PBT solution.

流变性能	价值	单位	测试标准
熔体体积流动速度, MVR	16	cm ³ /10min	ISO 1133
温度	250	°C	ISO 1133
负荷	5	kg	ISO 1133
机械性能	价值	单位	测试标准
拉伸模量	11000	MPa	ISO 527-1/-2
屈服应力	108	MPa	ISO 527-1/-2
屈服伸长率	2	%	ISO 527-1/-2
撕裂强度	8	kN/m	ISO 34-1
热性能	价值	单位	测试标准
热变形温度, 1.80 MPa	205	°C	ISO 75-1/-2
热变形温度, 0.45 MPa	225	°C	ISO 75-1/-2
维卡软化温度, 50°C/h 50N	200	°C	ISO 306
厚度为h时的燃烧性	V-0	class	IEC 60695-11-10
测试用试样的厚度	0.8	mm	IEC 60695-11-10
厚度为h时的5V燃烧性	5VB	class	IEC 60695-11-20
测试用试样的厚度	3.0	mm	IEC 60695-11-20
电性能	价值	单位	测试标准
相对介电常数, 1MHz	3.8	-	IEC 62631-2-1
介质损耗因子, 1MHz	1400	E-4	IEC 62631-2-1
体积电阻率	1E12	Ohm*m	IEC 62631-3-1
表面电阻率	>1E15	Ohm	IEC 62631-3-2
介电强度	32	kV/mm	IEC 60243-1
相对漏电起痕指数	600	-	IEC 60112
其它性能	价值	单位	测试标准
吸水性	0.23	%	类似ISO 62
吸湿性	0.09	%	类似ISO 62
密度	1560	kg/m ³	ISO 1183
模塑测量的特殊性能	价值	单位	测试标准
悬臂梁冲击强度 (+23°C), 4mm	37	kJ/m ²	ISO 180/1U
悬臂梁冲击强度 (-30°C), 4mm	37	kJ/m ²	ISO 180/1U
悬臂梁缺口冲击强度 (-30°C), 4mm	8	kJ/m ²	ISO 180/1A

典型数据

加工方法
注塑

地区供应
欧洲, 亚太

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