

CAMPUS® 数据表



VALOX™ FR Resin ENH4530 - PBT-GF15 FR SABIC

材料文字说明

VALOX ENH4530 is a 15% glass reinforced, non-chlorinated/brominated flame retardant Polybutylene Terephthalate (PBT) injection moldable grade with excellent chemical resistance. It has a UL94V0@0.80mm 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	18	cm ³ /10min	ISO 1133
温度	265	°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	7500	MPa	ISO 527-1/-2
屈服应力	80	MPa	ISO 527-1/-2
屈服伸长率	2	%	ISO 527-1/-2
简支梁缺口冲击强度, +23°C	4	kJ/m ²	ISO 179/1eA
撕裂强度	6	kN/m	ISO 34-1
热性能	价值	单位	测试标准
热变形温度, 1.80 MPa	200	°C	ISO 75-1/-2
热变形温度, 0.45 MPa	220	°C	ISO 75-1/-2
维卡软化温度, 50°C/h 50N	205	°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	0.5	mm	IEC 60695-11-10
厚度为h时的5V燃烧性	5VA	class	IEC 60695-11-20
测试用试样的厚度	2.0	mm	IEC 60695-11-20
燃烧性 - 氧指数	31	%	ISO 4589-1/-2
电性能	价值	单位	测试标准
相对介电常数, 1MHz	3.7	-	IEC 62631-2-1
介质损耗因子, 1MHz	1500	E-4	IEC 62631-2-1
体积电阻率	1E13	Ohm*m	IEC 62631-3-1
表面电阻率	>1E15	Ohm	IEC 62631-3-2
介电强度	28	kV/mm	IEC 60243-1
其它性能	价值	单位	测试标准
吸水性	0.15	%	类似ISO 62
吸湿性	0.07	%	类似ISO 62
密度	1450	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	30	kJ/m ²	ISO 180/1U
悬臂梁冲击强度 (-30°C), 4mm	23	kJ/m ²	ISO 180/1U
悬臂梁缺口冲击强度 (-30°C), 4mm	6	kJ/m ²	ISO 180/1A

典型数据

加工方法

注塑

地区供应

北美, 欧洲, 亚太

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR

**VALOX™ FR Resin ENH4530 - PBT-GF15 FR
SABIC**

INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.
© 2020