

Crastin® SK643FR BK851

THERMOPLASTIC POLYESTER RESIN

Crastin® SK643FR BK851是一种20% 玻纤增强, 阻燃, PBT

总说明

树脂鉴别	PBT-GF20FR(17)	ISO 1043
制品标识码	>PBT-GF20FR(17)<	ISO 11469

流变性能

熔体体积流动速度, MVR	4 cm ³ /10min	ISO 1133
温度	250 °C	ISO 1133
负荷	2.16 kg	ISO 1133
粘数	100 cm ³ /g	ISO 307, 1157, 1628
模塑收缩率, 平行	0.5 %	ISO 294-4, 2577
模塑收缩率, 垂直	1.2 %	ISO 294-4, 2577
模塑收缩率, 平行	0.6 %	ISO 294-4
模塑收缩率, 垂直	1.45 %	ISO 294-4

机械性能

拉伸模量	8300 MPa	ISO 527-1/-2
断裂应力	110 MPa	ISO 527-1/-2
断裂伸长率	2.8 %	ISO 527-1/-2
弯曲强度	165 MPa	ISO 178
简支梁无缺口冲击强度, +23°C	50 kJ/m ²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	7.6 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.34 -	

热性能

熔融温度, 10°C/min	225 °C	ISO 11357-1/-3
玻璃化转变温度, 10°C/min	55 °C	ISO 11357-1/-2
热变形温度, 1.80 MPa	200 °C	ISO 75-1/-2
相对温度指数, 电气性能, 0.75mm	140 °C	UL 746B
相对温度指数, 电气性能, 1.5mm	140 °C	UL 746B
相对温度指数, 电气性能, 3mm	140 °C	UL 746B
相对温度指数, 电气性能, 6mm	140 °C	UL 746B
相对温度指数, 冲击, 0.75mm	130 °C	UL 746B
相对温度指数, 冲击, 1.5mm	130 °C	UL 746B
相对温度指数, 冲击, 3mm	130 °C	UL 746B
相对温度指数, 冲击, 6mm	130 °C	UL 746B
相对温度指数, 强度, 0.75mm	140 °C	UL 746B
相对温度指数, 强度, 1.5mm	140 °C	UL 746B
相对温度指数, 强度, 3mm	140 °C	UL 746B
相对温度指数, 强度, 6mm	140 °C	UL 746B



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燃烧性能

1.5mm名义厚度时的燃烧性	V-0 class	IEC 60695-11-10
测试用试样的厚度	1.5 mm	IEC 60695-11-10
UL注册	yes -	UL 94
厚度为h时的燃烧性	V-0 class	IEC 60695-11-10
测试用试样的厚度	0.75 mm	IEC 60695-11-10
UL注册	yes -	UL 94
燃烧性 - 氧指数	32 %	ISO 4589-1/-2
FMVSS Class	DNI -	ISO 3795 (FMVSS 302)

电性能

相对漏电起痕指数	225	IEC 60112
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其它性能

吸湿性, 2mm	0.13 %	类似ISO 62
吸水性, 2mm	0.32 %	类似ISO 62
密度	1630 kg/m ³	ISO 1183

注塑

建议干燥	是
干燥温度	120 °C
干燥时间, 除湿干燥机	2 - 4 h
加工前水分含量	≤ 0.04 %
优良熔体温度	250 °C
注塑 熔体温度	240 °C
注塑 熔体温度	260 °C
优良模具温度	80 °C
模具温度	30 °C
模具温度	130 °C
保压范围	≥ 60 MPa
保压时间	3 s/mm
背压	As low as possible MPa
喷射温度	170 °C

典型数据

添加剂	阻燃剂
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