



Crastin® SK605LM BK591

THERMOPLASTIC POLYESTER RESIN

Crastin® SK605LM BK591是一种30% 玻纤增强, 可激光标记, PBT

总说明

树脂鉴别	PBT-GF30	ISO 1043
制品标识码	>PBT-GF30<	ISO 11469

流变性能

熔体体积流动速度, MVR	5 cm ³ /10min	ISO 1133
温度	250 °C	ISO 1133
负荷	2.16 kg	ISO 1133
模塑收缩率, 平行	0.3 %	ISO 294-4, 2577
模塑收缩率, 垂直	1.1 %	ISO 294-4, 2577

机械性能

拉伸模量	9500 MPa	ISO 527-1/-2
断裂应力	130 MPa	ISO 527-1/-2
断裂伸长率	2.5 %	ISO 527-1/-2
弯曲强度	200 MPa	ISO 178
简支梁无缺口冲击强度, +23°C	70 kJ/m ²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	10 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	205 °C	ISO 75-1/-2

燃烧性能

1.5mm名义厚度时的燃烧性	HB class	IEC 60695-11-10
测试用试样的厚度	1.5 mm	IEC 60695-11-10
厚度为h时的燃烧性	HB class	IEC 60695-11-10
测试用试样的厚度	0.75 mm	IEC 60695-11-10
燃烧性 - 氧指数	20 %	ISO 4589-1/-2
灼热丝燃烧指数, 0.75mm	725 °C	IEC 60695-2-12
灼热丝燃烧指数, 1.5mm	725 °C	IEC 60695-2-12
灼热丝燃烧指数, 3mm	825 °C	IEC 60695-2-12
灼热丝起燃温度, 0.75mm	750 °C	IEC 60695-2-13
灼热丝起燃温度, 1.5mm	750 °C	IEC 60695-2-13
灼热丝起燃温度, 3mm	800 °C	IEC 60695-2-13
FMVSS Class	B -	ISO 3795 (FMVSS 302)
燃烧速率, 厚度: 1毫米	54 mm/min	ISO 3795 (FMVSS 302)



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其它性能

密度	1520 kg/m ³	ISO 1183
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VDA性能

有机化合物的排放	91.4 □ gC/g	VDA 277
气味测试	3 class	VDA 270
雾化	99 %	ISO 6452

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	脱模助剂
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