



Rynite® GW520CS1 NC010 (PRELIMINARY)

THERMOPLASTIC POLYESTER RESIN

Rynite® GW520CS1 NC010 is a 20% Glass Reinforced, Flame Retardant, Polyethylene Terephthalate with Improved Glow Wire Performance

总说明

树脂鉴别	PET-GF20FR(16)	ISO 1043
制品标识码	>PET-GF20FR(16)<	ISO 11469

流变性能

模塑收缩率, 平行	0.3 %	ISO 294-4, 2577
模塑收缩率, 垂直	0.9 %	ISO 294-4, 2577
熔体粘度	180 Pa.s	ISO 11443

机械性能

拉伸模量	9000 MPa	ISO 527-1/-2
断裂应力	140 MPa	ISO 527-1/-2
断裂伸长率	2.5 %	ISO 527-1/-2
简支梁无缺口冲击强度, +23°C	40 kJ/m ²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	9 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.34 -	

热性能

熔融温度, 10°C/min	250 °C	ISO 11357-1/-3
热变形温度, 1.80 MPa	232 °C	ISO 75-1/-2

燃烧性能

1.5mm名义厚度时的燃烧性	V-2 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	V-2 class	IEC 60695-11-10
测试用试样的厚度	0.75 mm	IEC 60695-11-10
灼热丝燃烧指数, 0.75mm	850 °C	IEC 60695-2-12
灼热丝燃烧指数, 1.5mm	900 °C	IEC 60695-2-12
灼热丝起燃温度, 0.75mm	875 °C	IEC 60695-2-13
灼热丝起燃温度, 1.5mm	925 °C	IEC 60695-2-13
FMVSS Class	DNI -	ISO 3795 (FMVSS 302)

电性能

相对漏电起痕指数	200	IEC 60112
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其它性能

密度	1610 kg/m ³	ISO 1183
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注塑

建议干燥	是
干燥温度	120 °C
干燥时间, 除湿干燥机	4 - 6 h
加工前水分含量	≤ 0.02 ^[1] %
优良熔体温度	280 °C
注塑 熔体温度	270 °C
注塑 熔体温度	290 °C
螺杆大的切线速度	0.2 m/s
优良模具温度	140 °C
模具温度	120 °C
模具温度	140 ^[2] °C
保压范围	≥ 80 MPa
保压时间	4 s/mm
背压	As low as possible MPa
喷射温度	170 °C

[1]: At levels above 0.02%, strength and toughness will decrease, even though parts may not exhibit surface defects.

[2]: (6mm - 1mm thickness)

典型数据

添加剂	脱模助剂, 阻燃剂
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The above data are preliminary and are subject to change as additional data are developed on subsequent lots.

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