



# Rynite® 935SUV BK593

## THERMOPLASTIC POLYESTER RESIN

Rynite® 热塑性聚酯的共性包括良好的机械和物理性能，例如强度和刚性之间良好的平衡、尺寸稳定性、耐蠕变、耐热老化、高表面光泽和固有地高温下良好的电气性能。可在很宽泛的温度范围内加工，有很好的流动性能。

Rynite® 热塑性聚酯通常应用于要求严苛的汽车、电子电器工业，成功取代金属、热固性材料和其他热塑性聚合物。

Rynite® 935SUV BK593是一种35% 玻纤增强, 耐UV, PET

### 总说明

树脂鉴别	PET-(MD+GF)35	ISO 1043
制品标识码	>PET-(MD+GF)35<	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	0.7 %	ISO 294-4, 2577

### 机械性能

拉伸模量	9700 MPa	ISO 527-1/-2
断裂应力	80 MPa	ISO 527-1/-2
断裂伸长率	2.3 %	ISO 527-1/-2
简支梁无缺口冲击强度, +23°C	24 kJ/m <sup>2</sup>	ISO 179/1eU
简支梁缺口冲击强度, +23°C	5 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.34 -	

### 热性能

熔融温度, 10°C/min	252 °C	ISO 11357-1/-3
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### 燃烧性能

灼热丝燃烧指数, 0.4mm	750 °C	IEC 60695-2-12
灼热丝燃烧指数, 0.75mm	750 °C	IEC 60695-2-12
灼热丝燃烧指数, 1mm	750 °C	IEC 60695-2-12
灼热丝燃烧指数, 1.5mm	750 °C	IEC 60695-2-12
灼热丝燃烧指数, 3mm	960 °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, 0.4mm	750 °C	IEC 60695-2-12
灼热丝起燃温度, 1mm	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	875 °C	IEC 60695-2-13
灼热丝温度, 无火, 0.75mm	750 °C	IEC 60335-1
灼热丝温度, 无火, 1mm	750 °C	IEC 60335-1
灼热丝温度, 无火, 1.5mm	750 °C	IEC 60335-1
灼热丝温度, 无火, 3mm	850 °C	IEC 60335-1
FMVSS Class	B -	ISO 3795 (FMVSS 302)



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燃烧速率, 厚度 : 1毫米 <80 mm/min ISO 3795 (FMVSS 302)

### 其它性能

密度 1570 kg/m<sup>3</sup> ISO 1183

### VDA性能

雾化 0.1 mg ISO 6452

### 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 <sup>[1]</sup> %
优良熔体温度	285 °C
注塑 熔体温度	280 °C
注塑 熔体温度	300 °C
螺杆大的切线速度	0.2 m/s
优良模具温度	110 °C
模具温度	100 °C
模具温度	120 <sup>[2]</sup> °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

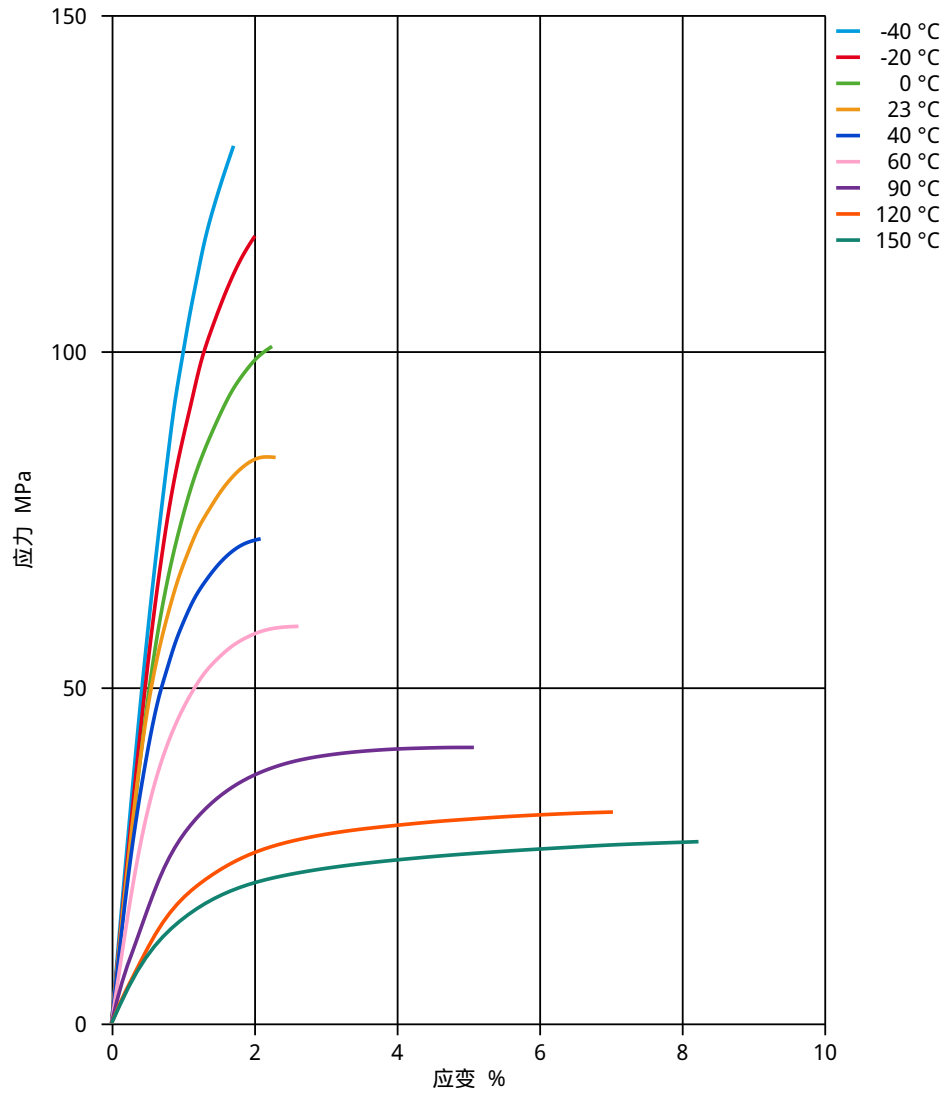
添加剂 脱模助剂



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应力 - 应变.

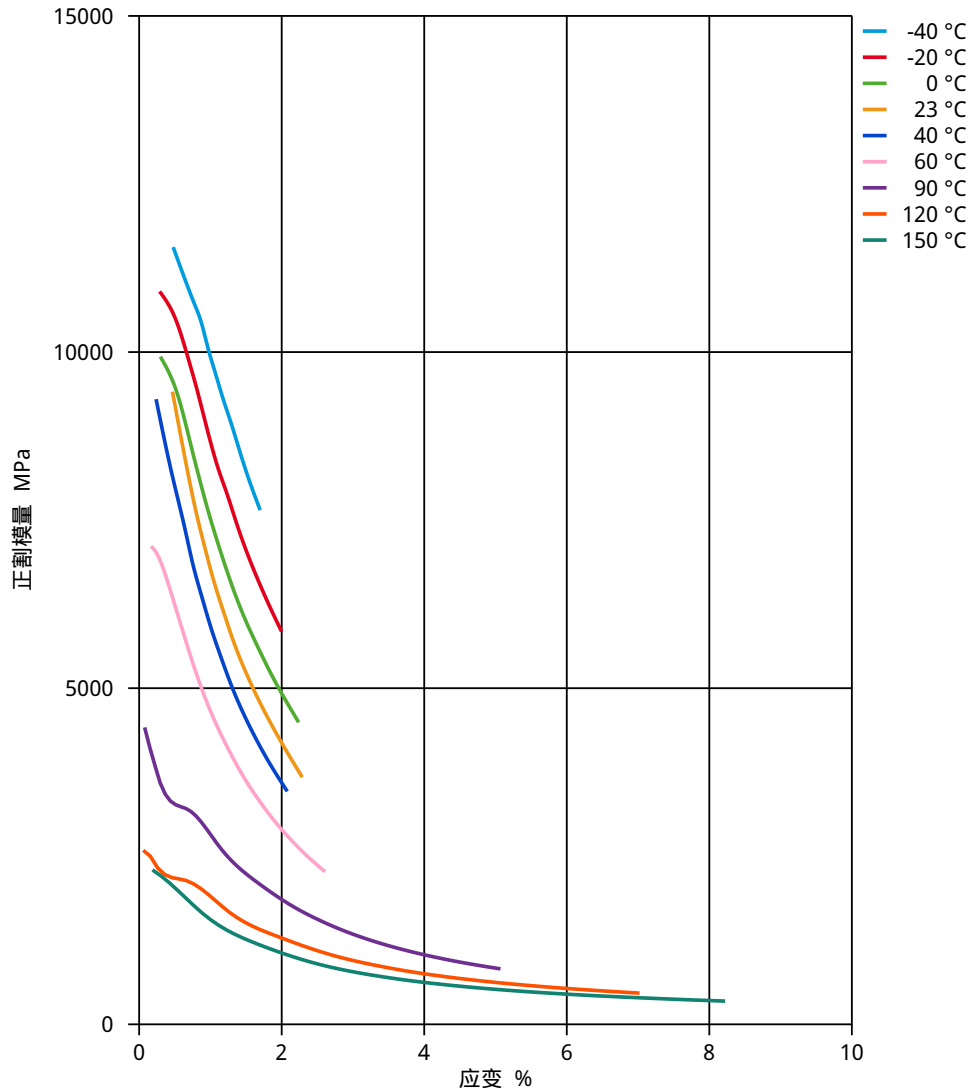




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THERMOPLASTIC POLYESTER RESIN

正割模量 - 应变.



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