



Rynite® 545K BK504

THERMOPLASTIC POLYESTER RESIN

Rynite® 545K BK504 is a 45% Glass Reinforced Polyethylene Terephthalate with High Stiffness and Creep Resistance

总说明

树脂鉴别	PET-GF45	ISO 1043
制品标识码	>PET-GF45<	ISO 11469

流变性能

模塑收缩率, 平行	0.2 %	ISO 294-4, 2577
模塑收缩率, 垂直	0.8 %	ISO 294-4, 2577

机械性能

拉伸模量	15300 MPa	ISO 527-1/-2
断裂应力	188 MPa	ISO 527-1/-2
断裂伸长率	1.9 %	ISO 527-1/-2
弯曲模量	14400 MPa	ISO 178
弯曲强度	300 MPa	ISO 178
简支梁缺口冲击强度, +23°C	10 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.33 -	

热性能

熔融温度, 10°C/min	248 °C	ISO 11357-1/-3
玻璃化转变温度, 10°C/min	90 °C	ISO 11357-1/-2
热变形温度, 1.80 MPa	233 °C	ISO 75-1/-2

其它性能

密度	1710 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	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	130 °C
模具温度	120 °C
模具温度	140 ^[2] °C



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喷射温度

170 °C

[1]: Lower moisture values will increase strength and toughness.

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

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