



Zytel® 74G33W NC010

NYLON RESIN

Zytel® 尼龙树脂的共性包括良好的机械和物理性能，例如高机械强度，刚性和韧性之间良好的平衡，良好的高温性能、电性能和阻燃性能，优异的耐磨损和耐化学品性能。另外，Zytel®

尼龙树脂有不同改性和增强规格为特殊加工和终端客户提供定制的性能。Zytel®

尼龙树脂，包括大多数阻燃规格，提供了染色可能性。

Zytel® 尼龙树脂良好的热稳定性通常使正确处理的生产废弃物回收成为可能。如果不能回收使用，杜邦建议的优先选择是在合适的装置中焚烧进行能量回收（基体树脂-31kJ/g）。废弃处理需遵守当地法规。

Zytel® 尼龙树脂通常应用于要求严苛的汽车、家具、家用电器、运动器材和建筑业。

Zytel® 74G33W NC010是一种33% 玻纤增强, 耐UV, 尼龙66+尼龙6

总说明

树脂鉴别	PA66+PA6-GF33	ISO 1043
制品标识码	>PA66+PA6-GF33<	ISO 11469
ISO名称	ISO 16396-(PA66+PA6),GF33,M1GL1N,S14-110	

流变性能

	dry/cond.		
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

机械性能

	dry/cond.		
拉伸模量	10900/7500	MPa	ISO 527-1/-2
断裂应力	194/130 ^[A]	MPa	ISO 527-1/-2
断裂伸长率	4/6	%	ISO 527-1/-2
弯曲模量	8900/-	MPa	ISO 178
简支梁无缺口冲击强度, +23°C	95/100	kJ/m ²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	16/18	kJ/m ²	ISO 179/1eA
简支梁缺口冲击强度, -30°C	10/10	kJ/m ²	ISO 179/1eA
简支梁缺口冲击强度, -40°C	12.3/-	kJ/m ²	ISO 179/1eA
Poisson's ratio	0.34/0.34	-	

[A]: Assessed

热性能

	dry/cond.		
熔融温度, 10°C/min	245/*	°C	ISO 11357-1/-3
热变形温度, 1.80 MPa	225/*	°C	ISO 75-1/-2

燃烧性能

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



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其它性能

密度	dry/cond. 1390/-	kg/m ³	ISO 1183
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注塑

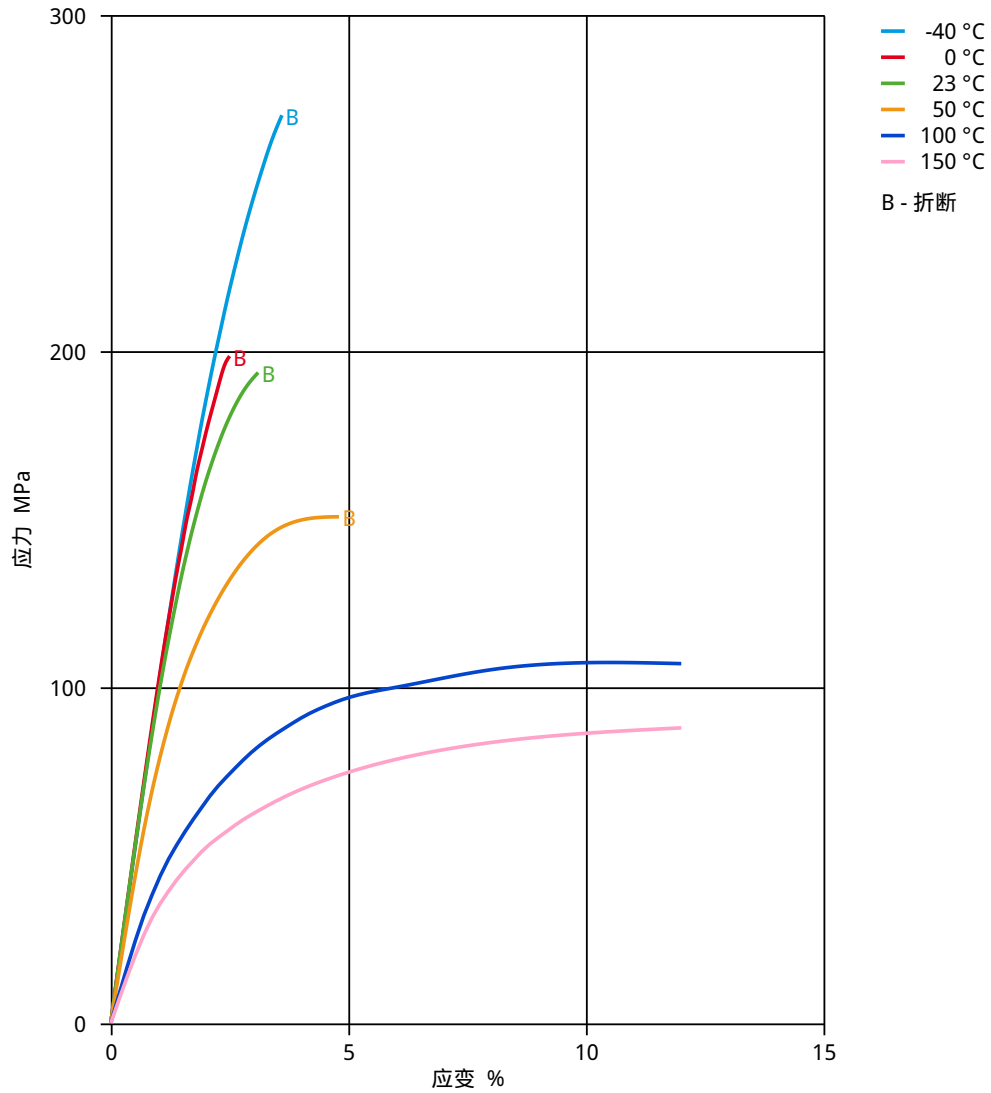
建议干燥	是
干燥温度	80 °C
干燥时间, 除湿干燥机	2 - 4 h
加工前水分含量	≤ 0.2 %
最优熔体温度	290 °C
注塑 熔体温度	280 °C
注塑 熔体温度	300 °C
螺杆最大切线速度	0.2 m/s
最优模具温度	100 °C
模具温度	70 °C
模具温度	120 °C
保压范围	50 - 100 MPa
保压时间	3 s/mm
喷射温度	210 °C



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应力 - 应变. (dry)

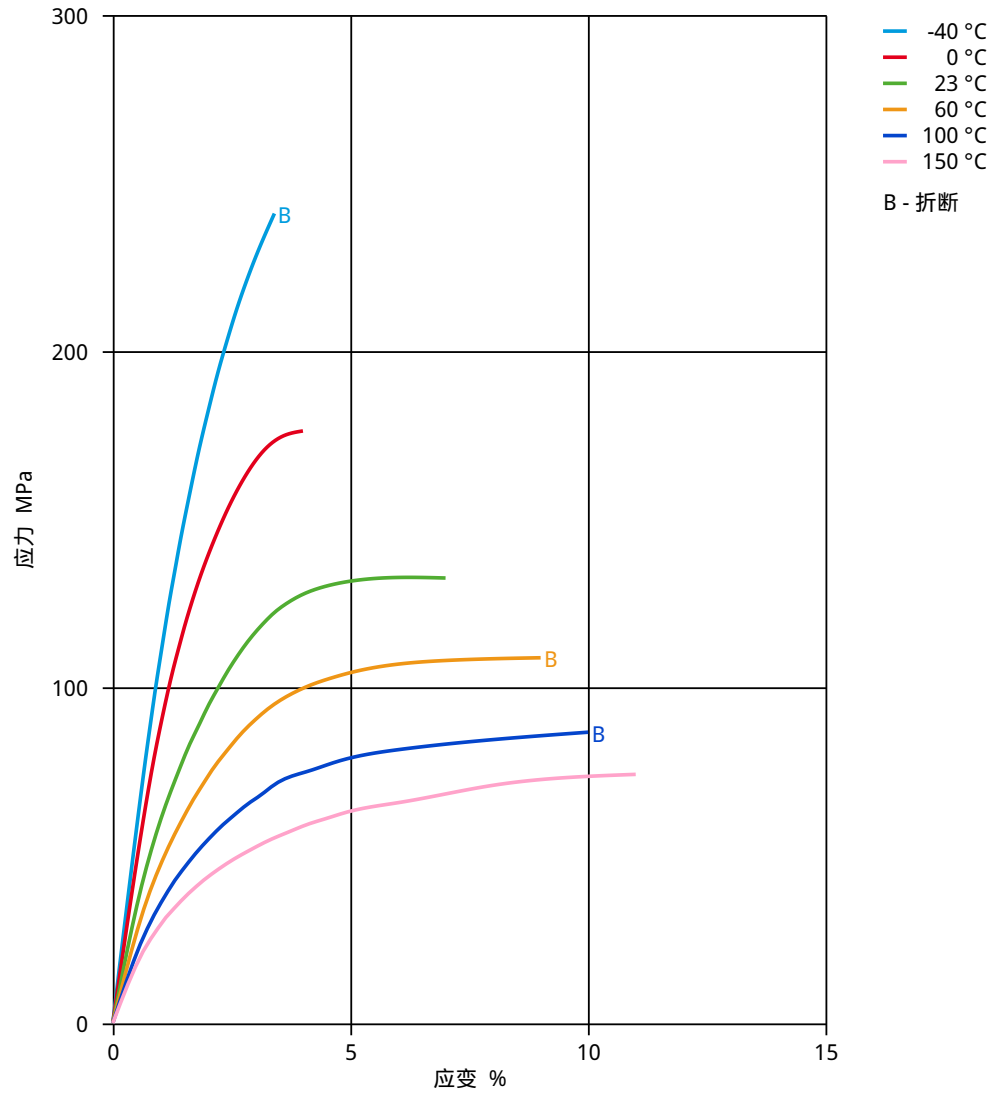




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应力 - 应变. (cond.)

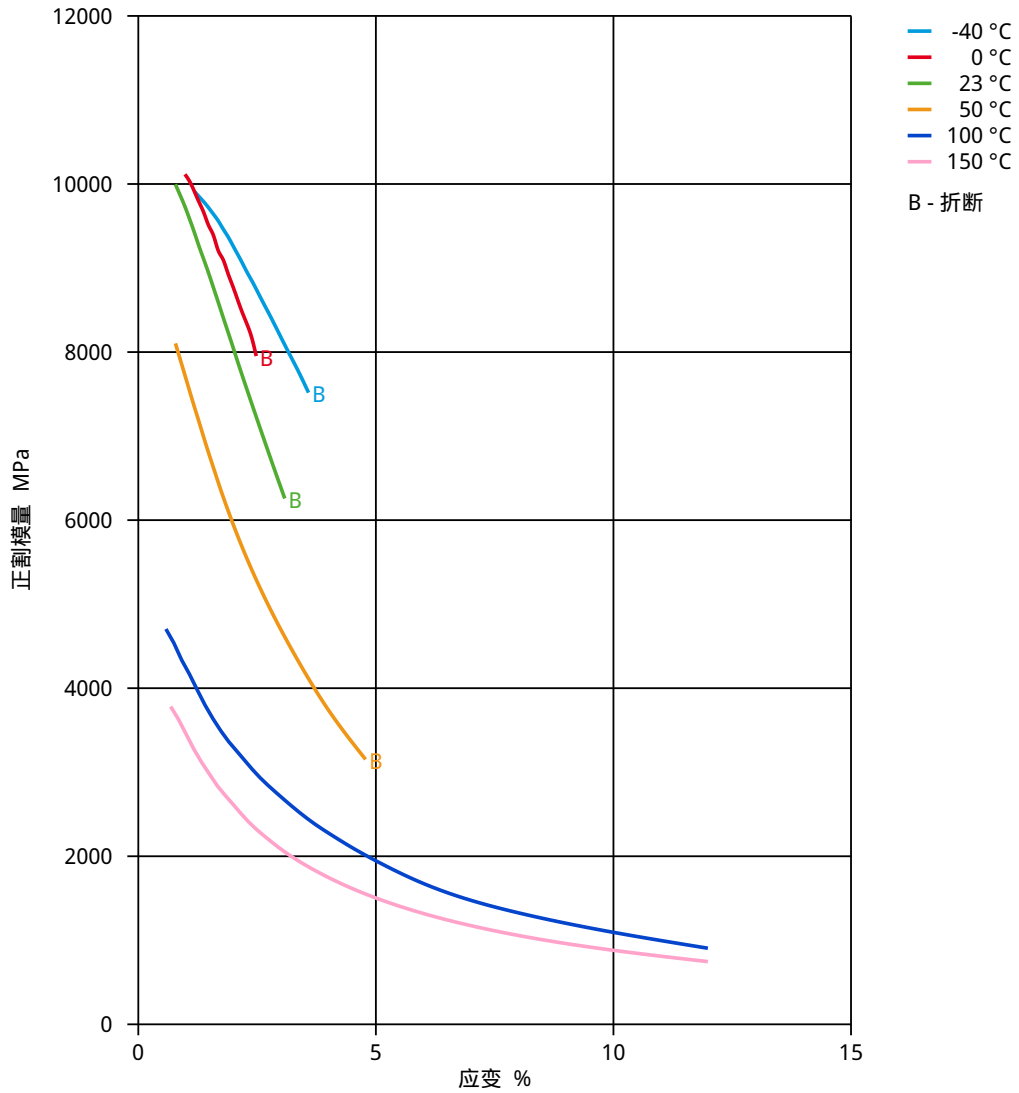




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正割模量 - 应变. (dry)

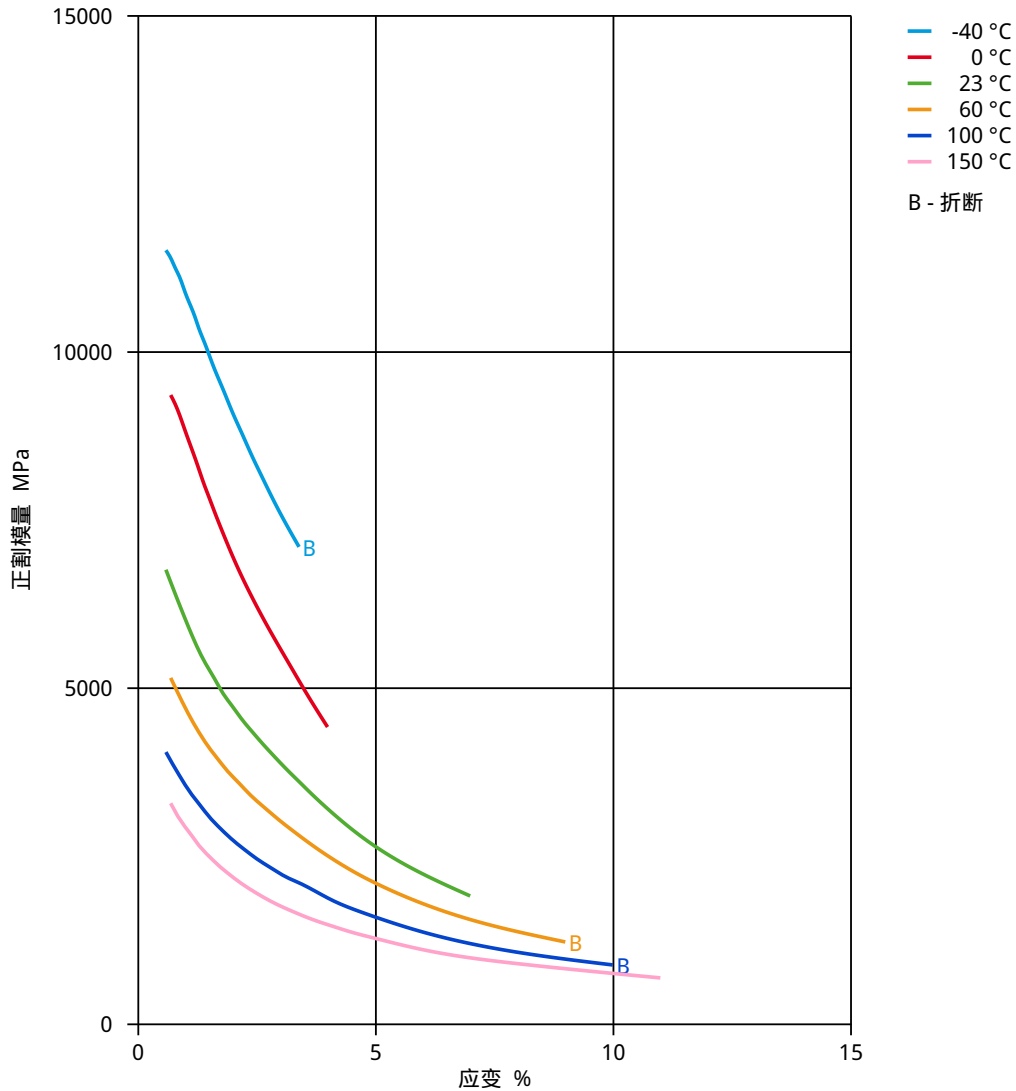




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正割模量 - 应变. (cond.)



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Page: 6 of 6

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