Zytel® HTNFE150061 BK900 (PRELIMINARY)

HIGH PERFORMANCE POLYAMIDE RESIN

Zytel® HTNFE150061 BK900 is a 50% carbon/glass reinforced, heat stabilized high performance polyamide resin. It is also a PPA resin.

产品信息

树脂鉴别	PPA-(CF+GF)50	ISO 1043
制品标识码	>PPA-(CF+GF)50<	ISO 11469
制品标识码	>PPA-(CF+GF)50<	SAE J1344
ISO名称	ISO 16396-PA*,(CF+GF),M1CGHR,S10-250	

流变性能

	dry/cond.		
模塑收缩率, 平行	0.1/-	%	ISO 294-4, 2577
模塑收缩率, 垂直	0.2/-	%	ISO 294-4, 2577

机械性能

	dry/cond.		
拉伸模量	37000/-	MPa	ISO 527-1/-2
拉伸断裂应力, 5mm/min	300/-	MPa	ISO 527-1/-2
断裂伸长率, 5mm/min	1.2/-	%	ISO 527-1/-2
弯曲模量	31500/-	MPa	ISO 178
弯曲强度	450/-	MPa	ISO 178
简支梁无缺口冲击强度, 23°C	57/-	kJ/m²	ISO 179/1eU
简支梁缺口冲击强度, 23°C	8/-	kJ/m²	ISO 179/1eA

热性能

	dry/cond.		
熔融温度, 第一次升温	303/*	°C	ISO 11357-1/-3
热变形温度, 1.8 MPa	265/*	°C	ISO 75-1/-2
线性热膨胀系数, 平行	3/*	E-6/K	ISO 11359-1/-2
线性热膨胀系数, 平行，-40-23℃	2/*	E-6/K	ISO 11359-1/-2
线性热膨胀系数, 平行，55-160℃	3/*	E-6/K	ISO 11359-1/-2
线性热膨胀系数, 垂直	47/*	E-6/K	ISO 11359-1/-2
线性热膨胀系数, 垂直，-40-23℃	41/*	E-6/K	ISO 11359-1/-2
线性热膨胀系数, 垂直，55-160℃	82/*	E-6/K	ISO 11359-1/-2

电性能

	dry/cond.		
体积电阻率, 导电塑料	0.01/-	Ohm.m	ASTM D 4496

其它性能

	dry/cond.		
吸水率, 浸泡 24小时	0.4/*	%	类似ISO 62
密度	1430/-	kg/m³	ISO 1183

注塑

建议干燥	是	
干燥温度	110	°C
干燥时间，除湿干燥机	6 - 8	h
加工前水分含量	≤ 0.1	%

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最低熔体温度***	310	°C
最高熔体温度	325	°C
最低模具温度	95	°C
最高模具温度	130	°C
保压时间 (h表示部件的最大壁厚mm)	h^2+2	s

特性

加工方法	注塑
添加剂	脱模助剂
特殊性能	热稳定

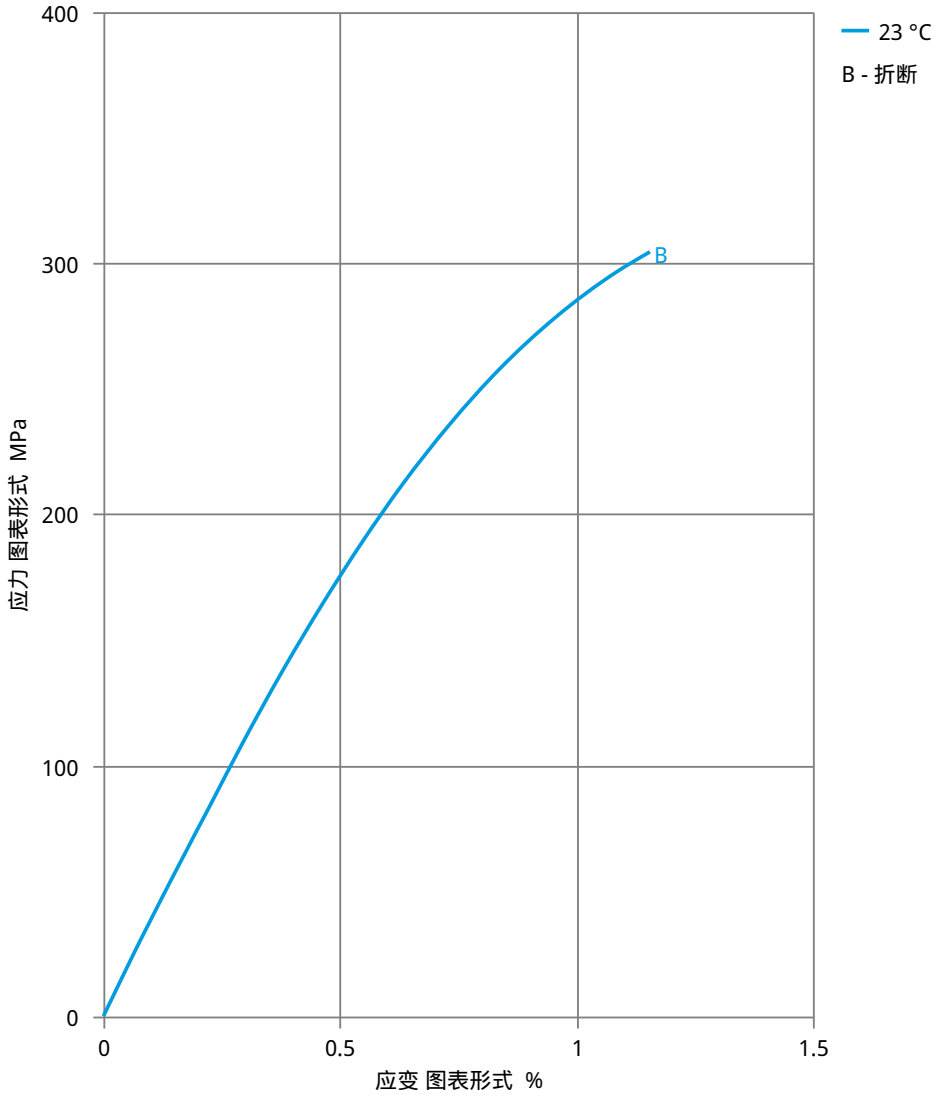
其他信息

注塑	During molding, use proper protective equipment and adequate ventilation. Avoid exposure to fumes and limit the hold up time and temperature of the resin in the machine. Purge degraded resin carefully with HDPE.

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应力 - 应变 (dry)



Revised: 2026-06-18 Source: Celanese Materials Database

The above data are preliminary and are subject to change as additional data are developed on subsequent lots.
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