Zytel® FR70G25V0GWNH NC010 (DEVELOPMENTAL)

NYLON RESIN

Zytel® FR70G25V0GWNH NC010 is a 25% glass fiber reinforced, heat stabilized, flame retardant polyamide 66 resin with improved GWIT for injection molding. It is halogen and red phosphorous free.

产品信息

树脂鉴别	PA66-GF25 FR(40)		ISO 1043
制品标识码	>PA66-GF25 FR(40)<		ISO 11469

流变性能

	dry/cond.		
粘数	115/*	cm^3/g	ISO 307, 1628
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

	dry/cond.		
拉伸模量	10500/-	MPa	ISO 527-1/-2
拉伸断裂应力, 5mm/min	140/-	MPa	ISO 527-1/-2
断裂伸长率, 5mm/min	2/-	%	ISO 527-1/-2
简支梁无缺口冲击强度, 23°C	45/-	kJ/m^2	ISO 179/1eU
简支梁无缺口冲击强度, -40°C	33/-	kJ/m^2	ISO 179/1eU
简支梁缺口冲击强度, 23°C	7.5/-	kJ/m^2	ISO 179/1eA
简支梁缺口冲击强度, -40°C	6.3/-	kJ/m^2	ISO 179/1eA

热性能

	dry/cond.		
熔融温度, 10°C/min	262/*	°C	ISO 11357-1/-3
热变形温度, 1.8 MPa	240/*	°C	ISO 75-1/-2
球压试验	245/-	°C	IEC 60695-10-2

阻燃性能

	dry/cond.		
1.5mm名义厚度时的阻燃性	V-0/*	class	IEC 60695-11-10
UL认证	yes/*		UL 94
厚度为h时的阻燃性	V-0/*	class	IEC 60695-11-10
测试用试样的厚度	0.4/*	mm	IEC 60695-11-10
UL认证	yes/*		UL 94
灼热丝可燃指数, 0.4mm	960/-	°C	IEC 60695-2-12
灼热丝可燃指数, 0.75mm	960/-	°C	IEC 60695-2-12
灼热丝可燃指数, 1.5mm	960/-	°C	IEC 60695-2-12
灼热丝可燃指数, 3.0mm	960/-	°C	IEC 60695-2-12
灼热丝起燃温度, 0.75mm	850/-	°C	IEC 60695-2-13
灼热丝起燃温度, 0.4mm	800/-	°C	IEC 60695-2-12
灼热丝起燃温度, 1.5mm	875/-	°C	IEC 60695-2-13
灼热丝起燃温度, 3.0mm	850/-	°C	IEC 60695-2-13

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电性能

	dry/cond.		
相对漏电起痕指数	600 / -		IEC 60112

其它性能

	dry/cond.		
密度	1430 / -	kg/m³	ISO 1183

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	≤ 0.1	%
最优熔体温度	280	°C
最低熔体温度***	270	°C
最高熔体温度	290	°C
螺杆最大切线速度	≤ 0.2	m/s
最优模具温度	100	°C
最低模具温度	70	°C
最高模具温度	120	°C
保压范围	50 - 100	MPa
保压时间	3	s/mm
保压时间 (h表示部件的最大壁厚mm)	h^2+2	s
顶出温度	210	°C

特性

加工方法	注塑
添加剂	阻燃剂, 无卤/无红磷阻燃剂
特殊性能	阻燃

Revised: 2026-07-03 Source: Celanese Materials Database

The above data are for the developmental sample and are subject to change as the product is scaled up.
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