Zytel® FE150065 BK010 (PRELIMINARY)

LONG CHAIN POLYAMIDE RESIN

Zytel® FE150065 BK010 是一种23% 玻璃微珠/玻纤增强，低密度的尼龙610用于轻量化结构应用。

产品信息

树脂鉴别	PA610-(GB+GF)23		ISO 1043
制品标识码	>PA610-(GB+GF)23<		ISO 11469
ISO名称	ISO 16396-PA610,(GB+GF)23,M1CG,S14-040		
生物碳含量	≥ 60[C]	%	ISO 16620-2

[C]: Calculated

流变性能

	dry/cond.		
模塑收缩率, 平行	0.6/-	%	ISO 294-4, 2577
模塑收缩率, 垂直	0.6/-	%	ISO 294-4, 2577

机械性能

	dry/cond.		
拉伸模量	4200/-	MPa	ISO 527-1/-2
拉伸断裂应力, 5mm/min	95/-	MPa	ISO 527-1/-2
断裂伸长率, 5mm/min	4.5/-	%	ISO 527-1/-2
弯曲模量	3900/-	MPa	ISO 178
弯曲强度	120/-	MPa	ISO 178
简支梁无缺口冲击强度, 23°C	38/-	kJ/m²	ISO 179/1eU
简支梁缺口冲击强度, 23°C	3/-	kJ/m²	ISO 179/1eA
简支梁缺口冲击强度, -40°C	2.6/-	kJ/m²	ISO 179/1eA

热性能

	dry/cond.		
熔融温度, 10°C/min	224/*	°C	ISO 11357-1/-3
热变形温度, 1.8 MPa	175/*	°C	ISO 75-1/-2

阻燃性能

	dry/cond.		
1.5mm名义厚度时的阻燃性	HB/*	class	IEC 60695-11-10
UL认证	yes/*		UL 94
厚度为h时的阻燃性	HB/*	class	IEC 60695-11-10
测试用试样的厚度	3/*	mm	IEC 60695-11-10
UL认证	yes/*		UL 94

其它性能

	dry/cond.		
吸湿率, 2mm	1.5/*	%	类似ISO 62
密度	960/-	kg/m³	ISO 1183

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注塑

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	≤ 0.15	%
最优熔体温度	280	°C
最低熔体温度***	270	°C
最高熔体温度	290	°C
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

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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