Zytel® LC7601 BK010 (PRELIMINARY)

LONG CHAIN POLYAMIDE RESIN

Zytel® LCPA柔性聚合物材料提供了创新的不断扩展的长链尼龙系列，具有优异的耐热性、耐化学品和耐水解性能。Zytel® LCPA各个规格提供特定的性能，从耐高温到刚性，到低燃油和气体渗透性，还包括不断扩展的可再生来源规格。
特性范围
Zytel® LCPA系列包括一系列不断扩展的规格，提供帮助客户满足其应用要求的性能。
PA1010,具有柔性聚酰胺的典型特性，耐高温，低燃油和气体渗透性
PA610和PA612，更高的耐温性和机械性能，使用玻纤增强规格可获得高刚性和高强度；
Zytel® RS LC4000和Zytel®
LC7000，是化学改性的PA610和PA612，在满足客户需求比如更优异的耐盐性和柔性方面是对Zytel® LCPA现有规格的创新性改进。

Zytel® LC7601 BK010是一种塑化, 增韧, 尼龙具有增强的耐水解性用于挤出成型

产品信息

树脂鉴别	PA-IP	ISO 1043
制品标识码	>PA-IP<	ISO 11469
ISO名称	ISO 16396-PA-IP,,ECG1H,S10-005	

流变性能

	dry/cond.		
模塑收缩率, 平行	2.1/-	%	ISO 294-4, 2577
模塑收缩率, 垂直	1.3/-	%	ISO 294-4, 2577
熔体粘度, @ 1000 sec-1, 250°C	150/*	Pa.s	ISO 11443

机械性能

	dry/cond.		
拉伸模量	500/-	MPa	ISO 527-1/-2
弯曲模量	500/-	MPa	ISO 178
简支梁无缺口冲击强度, 23°C	N/-	kJ/m²	ISO 179/1eU
简支梁无缺口冲击强度, -30°C	N/-	kJ/m²	ISO 179/1eU
简支梁缺口冲击强度, 23°C	115/-[P]	kJ/m²	ISO 179/1eA
简支梁缺口冲击强度, -40°C	13/-	kJ/m²	ISO 179/1eA
悬臂梁缺口冲击强度, 23°C	92/-	kJ/m²	ISO 180/1A
悬臂梁缺口冲击强度, -40°C	13.0/-	kJ/m²	ISO 180/1A

[P]: Partial Break

热性能

	dry/cond.		
熔融温度, 10°C/min	209/*	°C	ISO 11357-1/-3
玻璃化转变温度, 10°C/min	50/40	°C	ISO 11357-1/-3
热变形温度, 1.8 MPa	43/*	°C	ISO 75-1/-2
热变形温度, 0.45 MPa	69/*	°C	ISO 75-1/-2
熔体导热系数	0.17[DS]	W/(m K)	ISO 22007-2
熔体比热容	2700[DS]	J/(kg K)	ISO 22007-4

[DS]: Derived from similar grade

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阻燃性能

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

其它性能

	dry/cond.		
吸湿率, 2mm	0.8 / *	%	类似ISO 62
密度	1030 / -	kg/m³	ISO 1183

注塑

保压时间 (h表示部件的最大壁厚mm)	h^2+2	s

挤出成型

干燥温度	75 - 80	°C
干燥时间，除湿干燥机	3 - 4	h
加工前水分含量	≤ 0.06	%
最优熔体温度	225	°C
熔体温度范围	220 - 230	°C

汽车

OEM	ADDITIONAL INFORMATION
Renault-Nissan	UB16c, No Spec, Special Part Approval, See Your CE Account Manager.

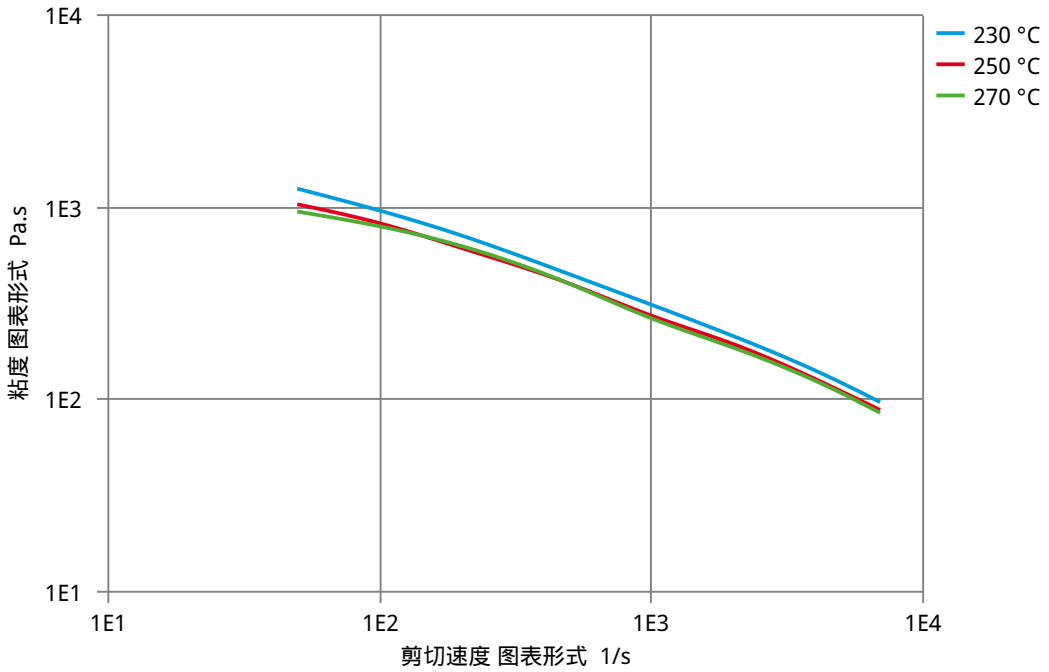
特性

加工方法	薄膜挤出成型, 异型材挤出成型, 片材挤出成型, 其它挤出成型, 表面涂层, 浇铸成型
添加剂	增塑剂
特殊性能	抗冲改性, 光稳定, 热稳定

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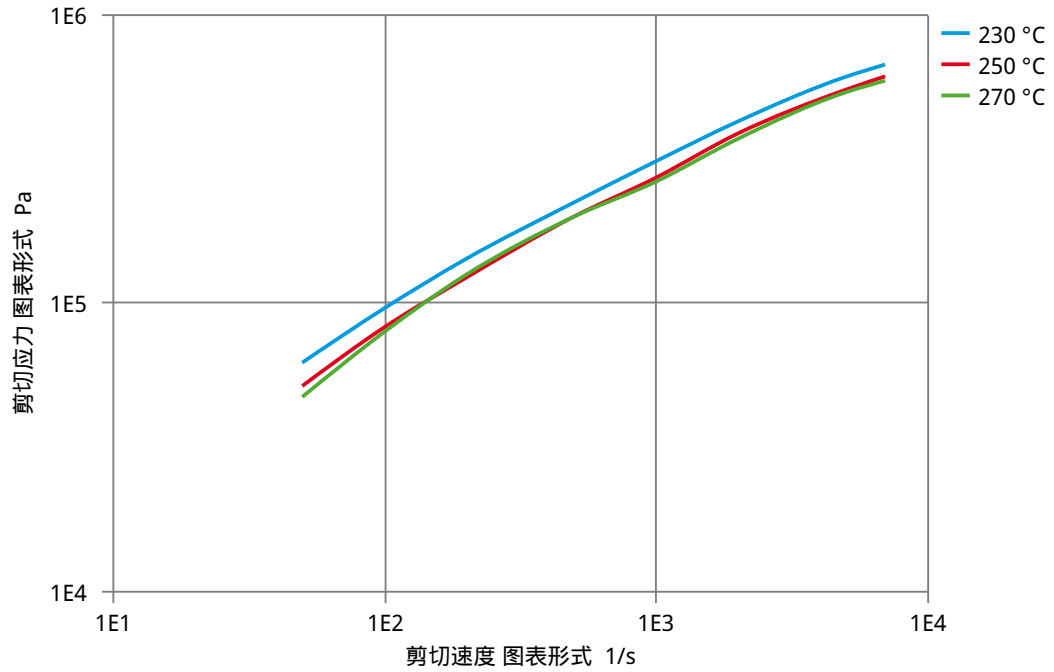
粘度 - 剪切速度



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剪切应力 - 剪切速度



Revised: 2025-04-23 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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