

LONG CHAIN POLYAMIDE 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能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、运动器材和建筑工业。

Zytel® 157HSL BK010是一种未增强, 热稳定, 尼龙612

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树脂鉴别	PA61	2	ISO 1043
制品标识码	>PA612	<	ISO 11469
ISO名称	ISO 16396-PA61	12,,M1CG1HR,S12-020	
流变性能	dry/cond.		
粘数.	115 ^[1] /* ^[DS]	cm³/g	ISO 307, 1628
模塑收缩率, 平行	1.3/-	%	ISO 294-4, 2577
模塑收缩率, 垂直	1.4/-	%	ISO 294-4, 2577
[DS]: Derived from similar grade			
[1]: intrapolated			

机械性能

	,		
拉伸模量	2500/1500	MPa	ISO 527-1/-2
屈服应力, 50mm/min	65/53	MPa	ISO 527-1/-2
屈服伸长率, 50mm/min	4.4/18	%	ISO 527-1/-2
名义断裂伸长率	22/>50	%	ISO 527-1/-2
弯曲模量	2300/1500	MPa	ISO 178
弯曲强度	80/44	MPa	ISO 178
简支梁无缺口冲击强度, +23°C	N/N	kJ/m²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	4/7	kJ/m²	ISO 179/1eA
悬臂梁缺口冲击强度, 23°C	4/-	kJ/m²	ISO 180/1A
泊松比	0.38/0.43		

dry/cond.

drv/cond.

热性能

	,		
熔融温度, 10°C/min	218/*	°C	ISO 11357-1/-3
玻璃化转变温度, 10°C/min	60/45	°C	ISO 11357-1/-3
热变形温度, 1.80 MPa	62/*	°C	ISO 75-1/-2
相对温度指数,电气性能, 0.75mm	105	°C	UL 746B
相对温度指数,电气性能, 1.5mm	105	°C	UL 746B
相对温度指数,电气性能, 3.0mm	105	°C	UL 746B
相对温度指数,冲击性能, 0.75mm	65	°C	UL 746B
相对温度指数,冲击性能, 1.5mm	65	°C	UL 746B
相对温度指数,冲击性能, 3.0mm	65	°C	UL 746B
相对温度指数,强度, 0.75mm	65	°C	UL 746B

Printed: 2024-06-07 Page: 1 of 4

Revised: 2021-11-11 Source: Celanese Materials Database



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相对温度指数,强度, 1.5mm	65/*	°C	UL 746B
相对温度指数,强度, 3.0mm	65	°C	UL 746B
燃烧性能	dry/cond.		
1.5mm名义厚度时的燃烧性	HB/*	class	IEC 60695-11-10
测试用试样的厚度	1.5/*	mm	IEC 60695-11-10
UL注册	yes/*		UL 94
厚度为h时的燃烧性	HB/*	class	IEC 60695-11-10
测试用试样的厚度	0.86/*	mm	IEC 60695-11-10
UL注册	yes/*		UL 94
FMVSS Class	В		ISO 3795 (FMVSS 302)
燃烧速率, 厚度:1毫米	<80	mm/min	ISO 3795 (FMVSS 302)
其它性能	drv/cond.		

共匕性能

密度 1070/- kg/m³ ISO 1183

注塑

建议干燥	是	
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	250	°C
注塑 熔体温度	230	°C
注塑 熔体温度	290	°C
最优模具温度	70	°C
模具温度	50	°C
模具温度	90	°C

薄膜挤出成型

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	240 °C
熔体温度范围	235 - 250 °C

典型数据

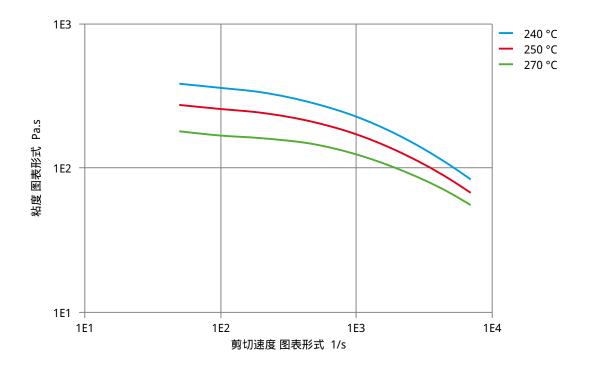
添加剂 脱模助剂

Printed: 2024-06-07 Page: 2 of 4



LONG CHAIN POLYAMIDE RESIN

粘度 - 剪切速度

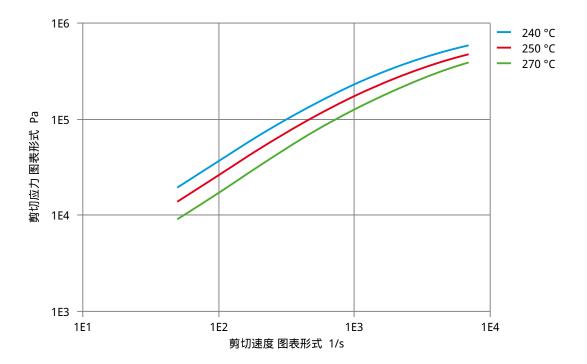


Printed: 2024-06-07 Page: 3 of 4



LONG CHAIN POLYAMIDE RESIN

剪切应力 - 剪切速度



Printed: 2024-06-07 Page: 4 of 4

Revised: 2021-11-11 Source: Celanese Materials Database

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