

RILSAN® BESNO TL

PA11,EHL,22-010

Rilsan® BESNO TL树脂 是一种采用可再生材料制成的聚酰胺11。该本色牌号设计用于挤出。

性能	干 / 已调节	单位	测试标准
流变性能			
熔体体积流动速度	1 / *	cm³/10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	-
载荷	2.16 / *	kg	-
	4.76 / *	lb	-
机械性能			
拉伸模量	- / 1280	MPa	ISO 527-1/-2
	- / 186000	psi	
屈服应力	- / 38	MPa	ISO 527-1/-2
	- / 5510	psi	
屈服伸长率	- / 5	%	ISO 527-1/-2
名义断裂伸长率	- / >50	%	ISO 527-1/-2
肖氏硬度D, 15 s	72 / *	-	ISO 868
简支梁冲击强度, +23°C	- / 无断裂	kJ/m²	ISO 179/1eU
简支梁冲击强度, -30°C	- / 无断裂	kJ/m²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	- / 11	kJ/m²	ISO 179/1eA
	- / 5.23	ftlb/in²	
简支梁缺口冲击强度, -30°C	- / 12	kJ/m²	ISO 179/1eA
	- / 5.71	ftlb/in²	
冲孔最大力, -30°C	- / 6000	N	ISO 6603-2
冲孔功, -30°C	- / 70	J	ISO 6603-2
热性能			
熔融温度, 10°C/min	186 / *	°C	ISO 11357-1/-3
热变形温度, 1.80 MPa	50 / *	°C	ISO 75-1/-2
	122 / *	°F	
热变形温度, 0.45 MPa	145 / *	°C	ISO 75-1/-2
	293 / *	°F	
维卡软化温度, 50°C/h 50N	160 / *	°C	ISO 306
	320 / *	°F	
线性热膨胀系数, 平行	85 / *	E-6/K	ISO 11359-1/-2
阻燃等级, 1.5mm厚	HB / *	class	IEC 60695-11-10

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Source: automatically generated TDS from Material Database on 20-02-2024

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测试用试样的厚度	1.6 / *	mm	-
	0.0630 / *	in	
Yellow Card 现存	是的 / *	-	-
电性能			
相对介电常数, 100Hz	3 / -	-	IEC 60250
相对介电常数, 1MHz	3 / -	-	IEC 60250
介质损耗因子, 100Hz	308 / -	E-4	IEC 60250
介质损耗因子, 1MHz	183 / -	E-4	IEC 60250
体积电阻率	- / 1E12	Ohm* m	IEC 62631-3-1
表面电阻率	* / 1E14	Ohm	IEC 62631-3-2
介电强度	- / 30	kV/m	IEC 60243-1
	- / 762	kV/in	
其它性能			
吸水性, 23°C, immersion, equilibrium	1.9 / *	%	ISO 62
密度	1020 / 1020	kg/m³	ISO 1183
	1.02 / 1.02	g/cm³	

主要应用

—流体运输

包装

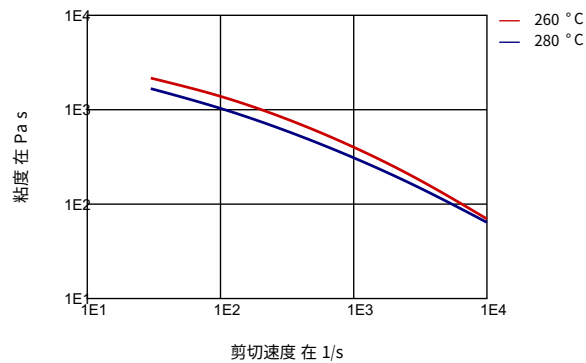
该牌号的供货规格为干燥型密封包装（25公斤袋装、44磅袋装、1000磅硬质容器），可以随时加工处理。

保质期

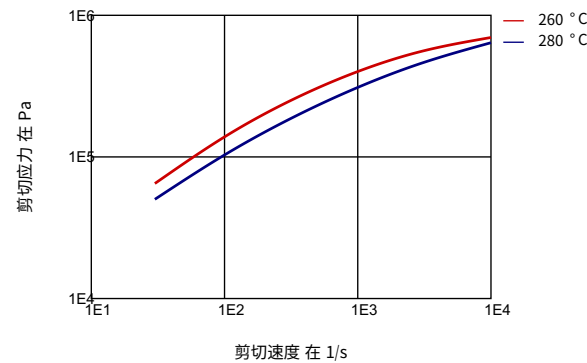
自发货之日起2年。有关过期使用的任何事宜，请咨询我司技术服务人员。

图表

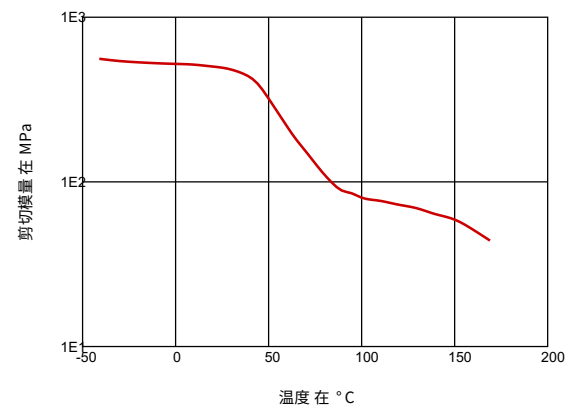
粘度 - 剪切速度



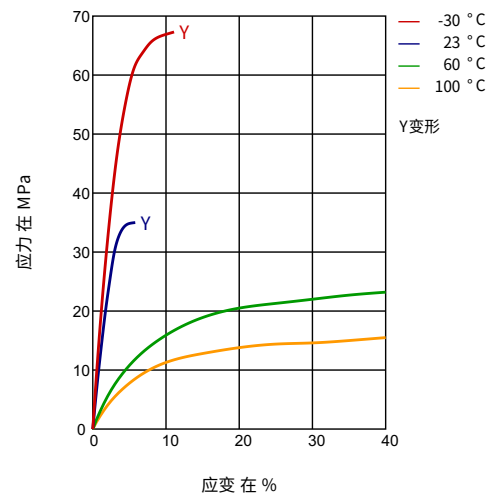
剪切应力 - 剪切速度



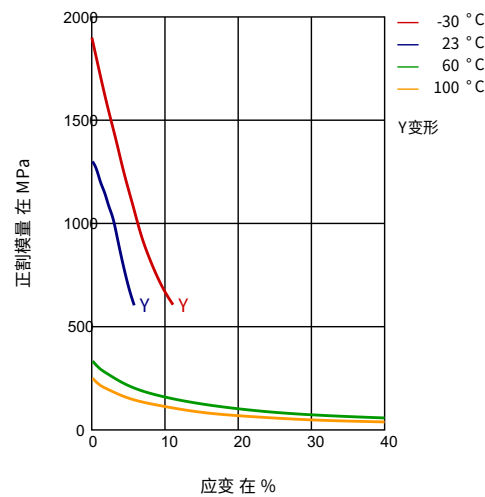
动态剪切模量 - 温度



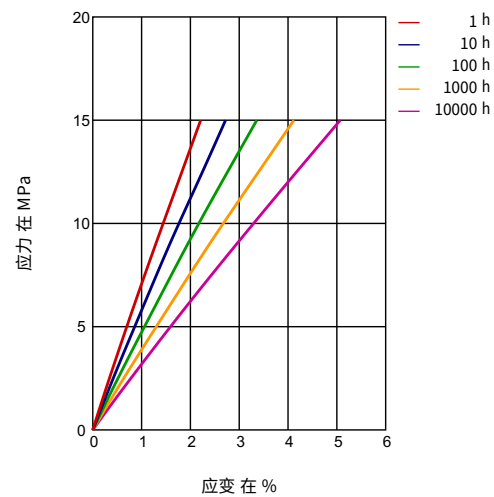
应力 - 应变.



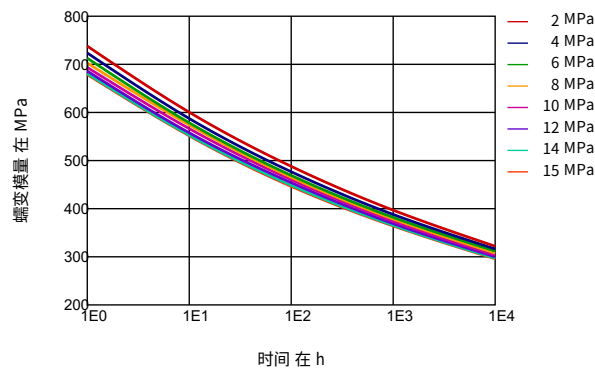
正割模量 - 应变.



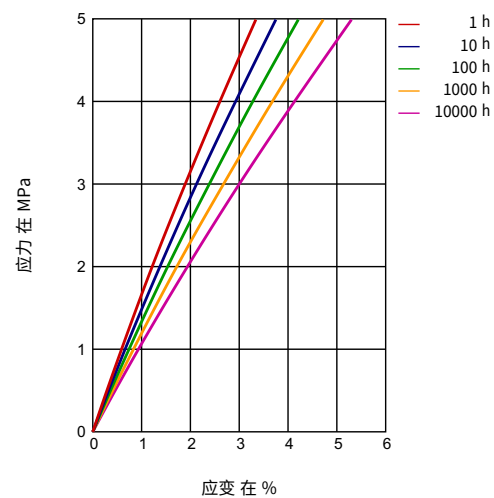
应力 - 应变(等时的) 73°F



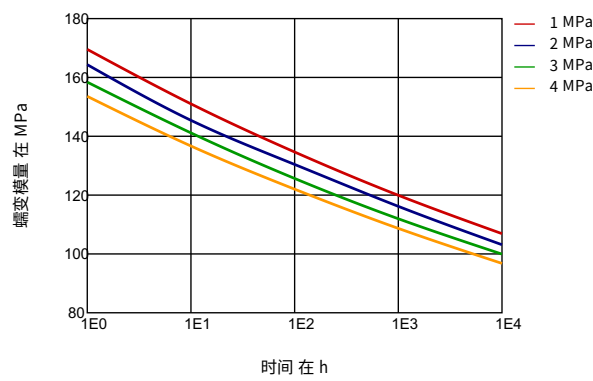
蠕变模量 - 时间. 73°F



应力 - 应变(等时的) 176°F



蠕变模量 - 时间. 176°F



加工条件：
—推荐熔融温度（最小值/建议值/最大值）：230°C/250°C/280°C.

—干燥时间和温度（只有包装袋打开2小时以上时才有必要干燥）：4-8 小时，80-90°C。

加工方法	Headquarters: Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
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	
供货形式	
粒料	
添加剂	
润滑剂	
特殊性能	
生物基, 热稳定, 光稳定	
地区供应	
北美, 欧洲, 亚太, 中南美洲, 中东/非洲	

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