RILSAN®
BMNO TLD

PA11, MHLR, 12-010
Rilsan® BMNO TLD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注塑。

性能	干 / 已调节	单位	测试标准
流变性能			
熔体体积流动速度	30 / *	cm^3/10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	
载荷	2.16 / *	kg	-
	4.76 / *	lb	
模塑收缩率, 平行	1.1 / *	%	ISO 294-4, 2577
模塑收缩率, 垂直	1.0 / *	%	ISO 294-4, 2577
机械性能			
拉伸模量	- / 1320	MPa	ISO 527-1/-2
	- / 191000	psi	
屈服应力	- / 41	MPa	ISO 527-1/-2
	- / 5950	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	68 / *	-	ISO 868
简支梁冲击强度, +23°C	- / 无断裂	kJ/m^2	ISO 179/1eU
简支梁冲击强度, -30°C	- / 无断裂	kJ/m^2	ISO 179/1eU
简支梁缺口冲击强度, +23°C	- / 8.3	kJ/m^2	ISO 179/1eA
	- / 3.95	$ftlb/in^2$	
简支梁缺口冲击强度, -30°C	- / 10.5	kJ/m^2	ISO 179/1eA
	- / 4.99	$ftlb/in^2$	
热性能			
熔融温度, 10°C/min	189 / *	°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
电性能			

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相对介电常数, 100Hz	4 / -	-	IEC 60250
相对介电常数, 1MHz	3 / -	-	IEC 60250
介质损耗因子, 100Hz	598 / -	E-4	IEC 60250
介质损耗因子, 1MHz	262 / -	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 - / 762	kV/mm kV/in	IEC 60243-1
相对耐漏电起痕指数, CTI	* / 600	-	IEC 60112
其它性能			
吸水性, 23°C, immersion, equilibrium	1.9 / *	%	ISO 62
吸湿性	0.8 / *	%	ISO 62
密度	1030 / 1030 1.03 / 1.03	kg/m³ g/cm³	ISO 1183

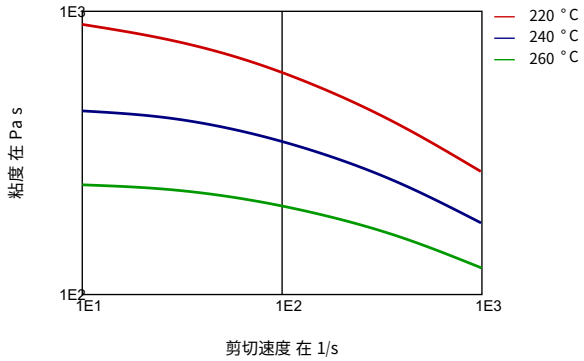
主要应用
—快速连接件部件
包装
该牌号的供货规格为干燥型密封包装（25公斤袋装），可随时加工处理。
保质期
自发货之日起2年。有关过期使用的任何事宜，请咨询我司技术服务人员。

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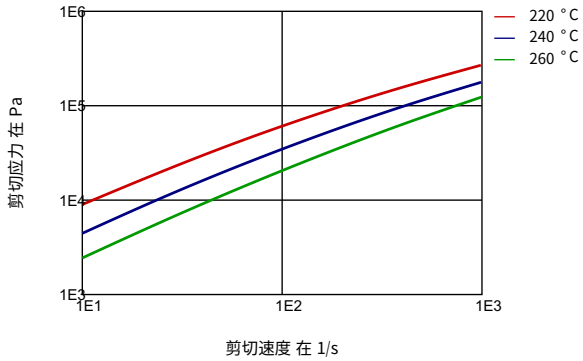
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图表

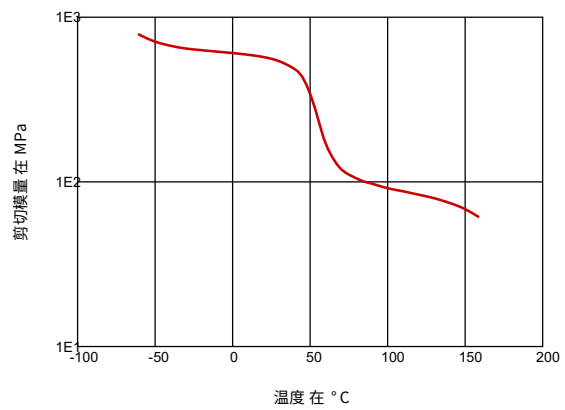
粘度 - 剪切速度



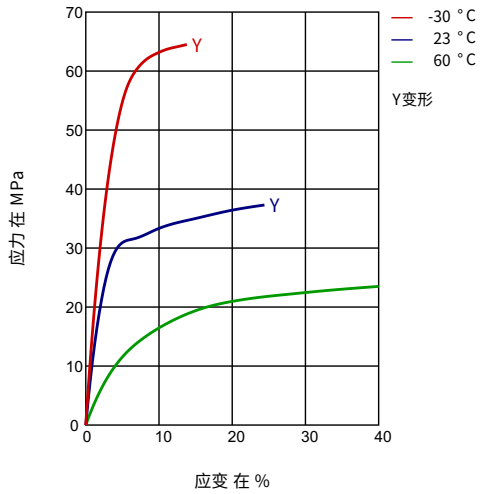
剪切应力 - 剪切速度



动态剪切模量 - 温度



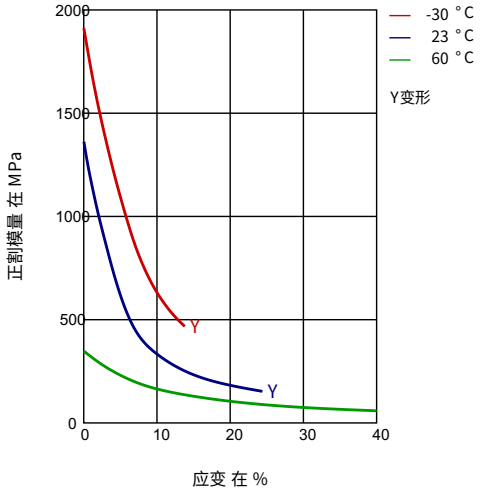
应力 - 应变.



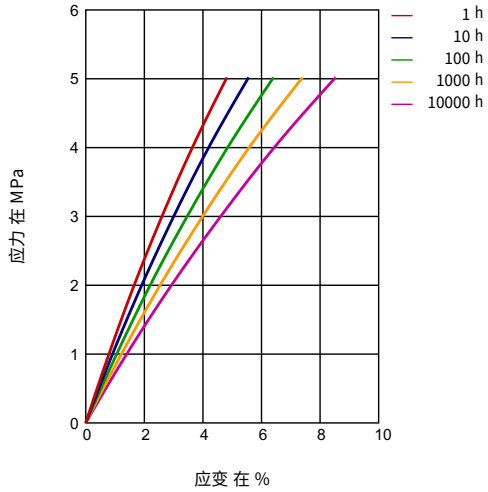
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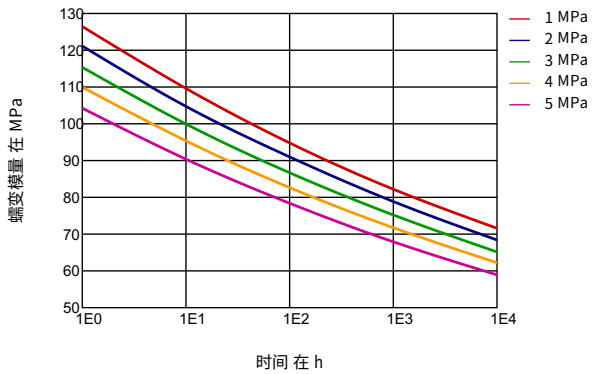
正割模量 - 应变.



应力 - 应变(等时的) 248°F



蠕变模量 - 时间. 248°F



加工条件：

—推荐熔融温度（最小值/建议值/最大值）：210℃/ 230℃/ 280℃。
—成型温度：20 - 60℃
—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）：4-6小时，80-90℃。

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加工方法 注塑	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
供货形式 粒料	
添加剂 脱模助剂	
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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