

RILSAN®

HT CZM 30 BLACK TLD

PA11/10T,GF30,MHL,C16-090

Rilsan® HT CZM 30 BLACK TLD

是一种采用可再生材料生产的柔性聚邻苯二甲酰胺。该为玻纤增强产品，配制和设计用于高温注塑。

依据ASTM D 6866，可再生碳含量为68%。

性能	干 / 已调节	单位	测试标准
流变性能			
熔体体积流动速度	15 / *	cm³/10min	ISO 1133
温度	300 / *	°C	-
	572 / *	°F	-
载荷	2.16 / *	kg	-
	4.76 / *	lb	-
模塑收缩率, 平行	0.3 / *	%	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	8700 / -	MPa	ISO 527-1/-2
	1.26E6 / -	psi	
断裂应力	151 / -	MPa	ISO 527-1/-2
	21900 / -	psi	
断裂伸长率	2.6 / -	%	ISO 527-1/-2
简支梁冲击强度, +23°C	57 / -	kJ/m²	ISO 179/1eU
	27.1 / -	ftlb/in²	
简支梁冲击强度, -30°C	54 / -	kJ/m²	ISO 179/1eU
	25.7 / -	ftlb/in²	
简支梁缺口冲击强度, +23°C	9.1 / -	kJ/m²	ISO 179/1eA
	4.33 / -	ftlb/in²	
简支梁缺口冲击强度, -30°C	7.4 / -	kJ/m²	ISO 179/1eA
	3.52 / -	ftlb/in²	
热性能			
熔融温度, 10°C/min	255 / *	°C	ISO 11357-1/-3
热变形温度, 1.80 MPa	220 / *	°C	ISO 75-1/-2
	428 / *	°F	
热变形温度, 0.45 MPa	240 / *	°C	ISO 75-1/-2
	464 / *	°F	
其它性能			

Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790 SDC/11-2018
Source: automatically generated TDS from Material Database on 20-02-2024

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%Bio-Based	68	-	ASTM D6866
吸水性, 23°C, immersion, equilibrium	1.13 / *	%	ISO 62
吸湿性	0.22 / *	%	ISO 62
密度	1300 / 1300	kg/m³	ISO 1183
	1.3 / 1.3	g/cm³	

主要应用

—汽车和运输柔性燃料和动力系统应用快速连接件

—高温注塑

包装

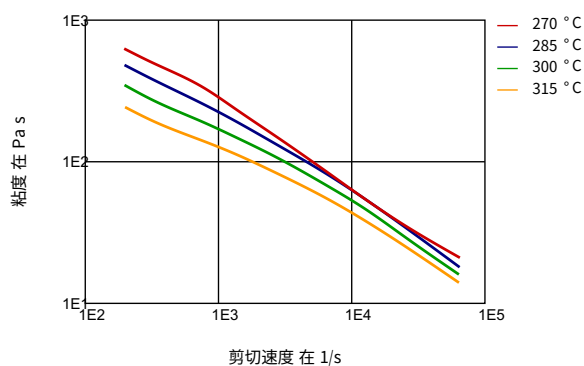
该牌号出厂时已干燥并密封包装（25公斤袋装），可直接进行加工。

保质期

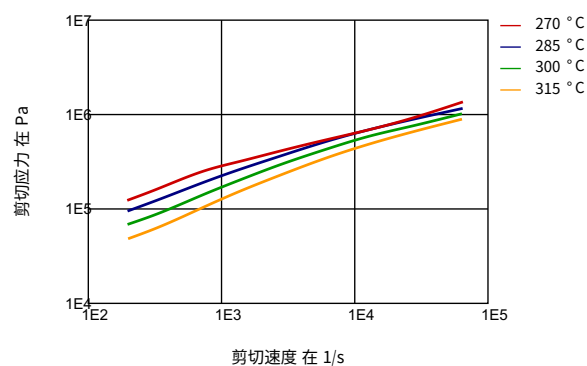
自发货之日起2年。任何与过期使用的相关事宜，请咨询我司技术服务人员。

图表

粘度 - 剪切速度



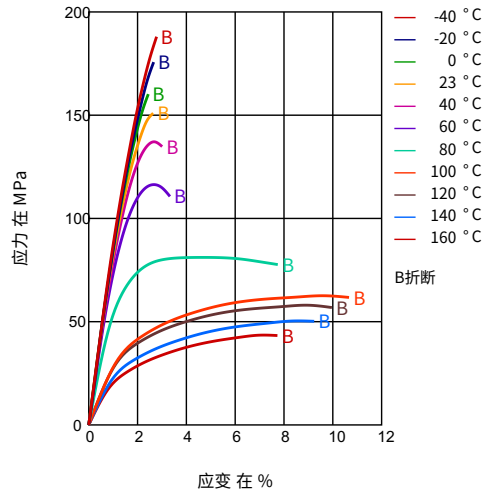
剪切应力 - 剪切速度



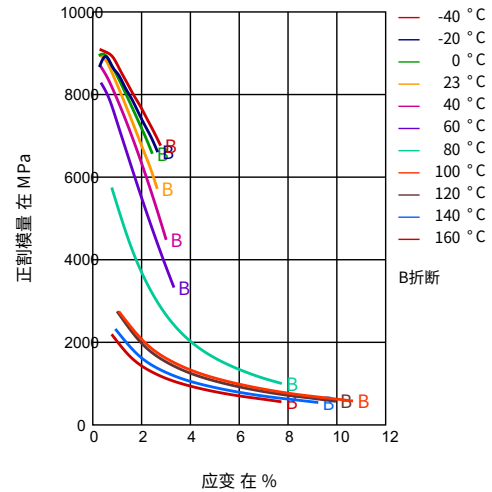
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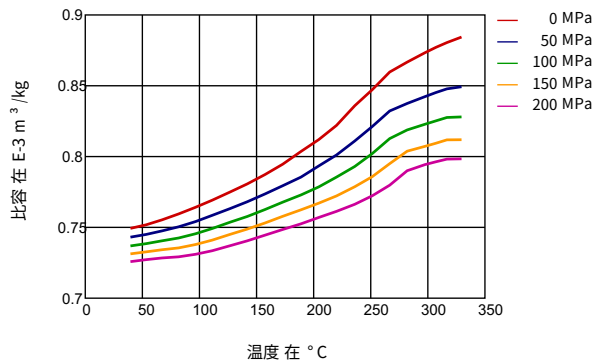
应力 - 应变.



正割模量 - 应变.



比容 - 温度(PVT)



加工条件

- 推荐熔融温度（最小值/建议值/最大值）：270°C / 280°C/ 320°C。
- 推荐成型温度：90 - 110°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/ 100 - 110°C。

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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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