

RILSAMID®

AZM 30 O TLD

PA12, MHLR, 14-070, GF 30

Rilsamid® AZM 30 O TLD树脂 是一种玻纤增强聚酰胺。该天然设计用于注塑。

该还有绿色 (Rilsamid® AZM 30 Green 56827 TLD树脂) 和灰色 (Rilsamid® AZM 30 Grey 632 TLD树脂)。

(ISO 19396-1/2015标准)

性能	干 / 已调节	单位	测试标准
流变性能			
熔体体积流动速度	12 / *	cm ³ /10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	-
载荷	5 / *	kg	-
	11 / *	lb	-
熔融指数	≥ 12.8	g/10min	ASTM D1238
机械性能			
拉伸模量	6900 / 6500	MPa	ISO 527-1/-2
	1E6 / 943000	psi	
屈服应力	127 / 115	MPa	ISO 527-1/-2
	18400 / 16700	psi	
屈服伸长率	4 / 4	%	ISO 527-1/-2
断裂应力	122 / 110	MPa	ISO 527-1/-2
	17700 / 16000	psi	
断裂伸长率	5 / 6	%	ISO 527-1/-2
简支梁冲击强度, +23°C	85 / 88	kJ/m ²	ISO 179/1eU
	40.4 / 41.9	ftlb/in ²	
简支梁冲击强度, -30°C	96 / 93	kJ/m ²	ISO 179/1eU
	45.7 / 44.2	ftlb/in ²	
简支梁缺口冲击强度, +23°C	23 / 22	kJ/m ²	ISO 179/1eA
	10.9 / 10.5	ftlb/in ²	
简支梁缺口冲击强度, -30°C	15 / 16	kJ/m ²	ISO 179/1eA
	7.14 / 7.61	ftlb/in ²	
热性能			
熔融温度, 10°C/min	179 / *	°C	ISO 11357-1/-3
热变形温度, 1.80 MPa	160 / *	°C	ISO 75-1/-2
	320 / *	°F	
热变形温度, 0.45 MPa	175 / *	°C	ISO 75-1/-2
	347 / *	°F	

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

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维卡软化温度, 50°C/h 50N	165 / *	°C	ISO 306
	329 / *	°F	
线性热膨胀系数, 平行	50 / *	E-6/K	ISO 11359-1/-2
在空气中热分解	224	°C	1% wt. loss
	436	°F	
在氮气中热分解	222	°C	1% wt. loss
	431	°F	
电性能			
相对介电常数, 100Hz	4 / -	-	IEC 60250
相对介电常数, 1MHz	4 / -	-	IEC 60250
介质损耗因子, 100Hz	752 / -	E-4	IEC 60250
介质损耗因子, 1MHz	251 / -	E-4	IEC 60250
体积电阻率	- / 1E11	Ohm* m	IEC 62631-3-1
表面电阻率	* / 1E14	Ohm	IEC 62631-3-2
介电强度	- / 45	kV/m	IEC 60243-1
	- / 1140	kV/in	
相对耐漏电起痕指数, CTI	* / 600	-	IEC 60112
其它性能			
吸水性, 23°C, immersion, equilibrium	1.2 / *	%	ISO 62
吸湿性	0.6 / *	%	ISO 62
密度	1230 / 1230	kg/m ³	ISO 1183
	1.23 / 1.23	g/cm ³	

Packaging:

This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed

Shelf life:

Two years from the delivery.

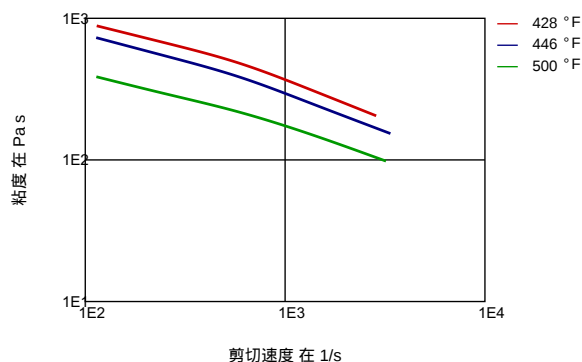
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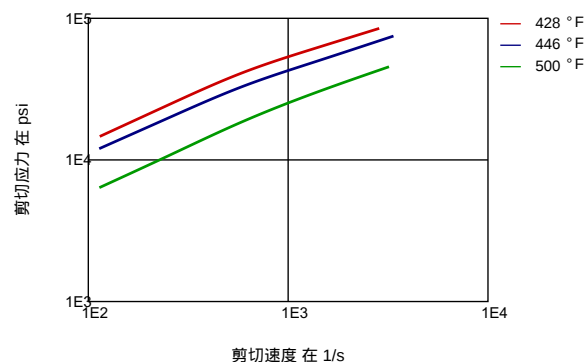
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图表

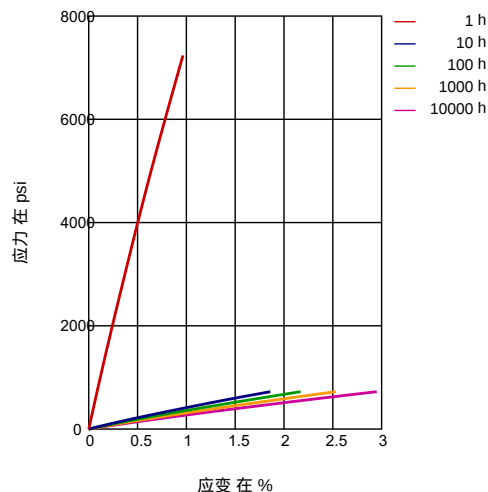
粘度 - 剪切速度



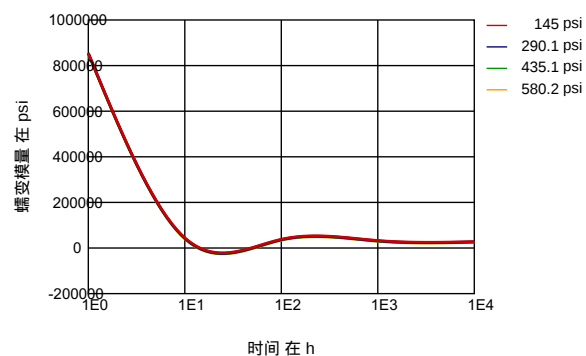
剪切应力 - 剪切速度



应力 - 应变(等时的) 73°F



蠕变模量 - 时间. 73°F



Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 250°C / 265°C / 280°C.
- Typical mold temperature : 40 – 90°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-8 hours at 80-90°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 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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