

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 / *	cm³/10min	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/m²	ISO 179/1eU
	40.4 / 41.9	ftlb/in²	
简支梁冲击强度, -30°C	96 / 93	kJ/m²	ISO 179/1eU
	45.7 / 44.2	ftlb/in²	
简支梁缺口冲击强度, +23°C	23 / 22	kJ/m²	ISO 179/1eA
	10.9 / 10.5	ftlb/in²	
简支梁缺口冲击强度, -30°C	15 / 16	kJ/m²	ISO 179/1eA
	7.14 / 7.61	ftlb/in²	
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	

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

RILSAMID®

AZM 30 O TLD

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/m³	ISO 1183
	1.23 / 1.23	g/cm³	

Packaging:

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

Shelf life:

Two years from the delivery.

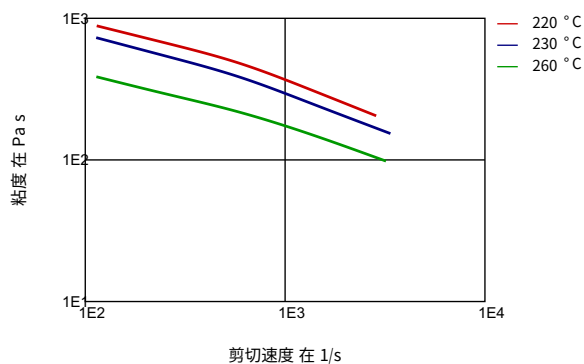
For any use above this limit please refer to our technical services.

RILSAMID[®]

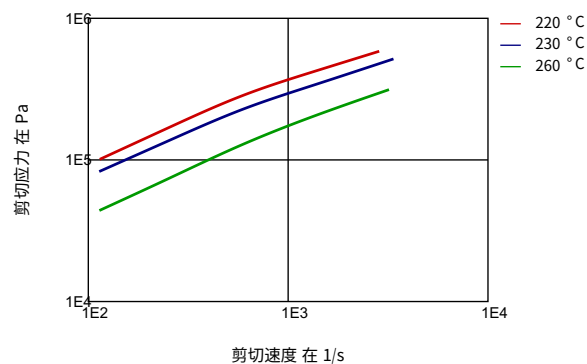
AZM 30 O TLD

图表

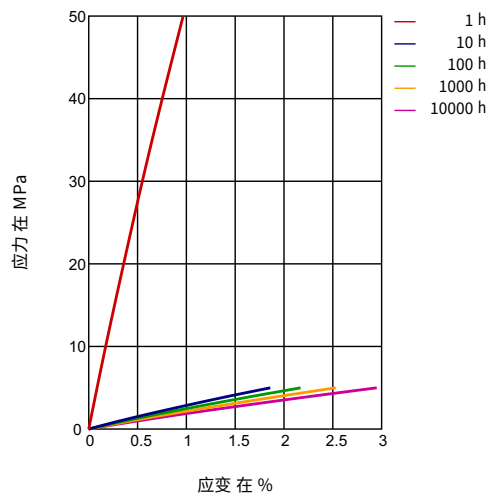
粘度 - 剪切速度



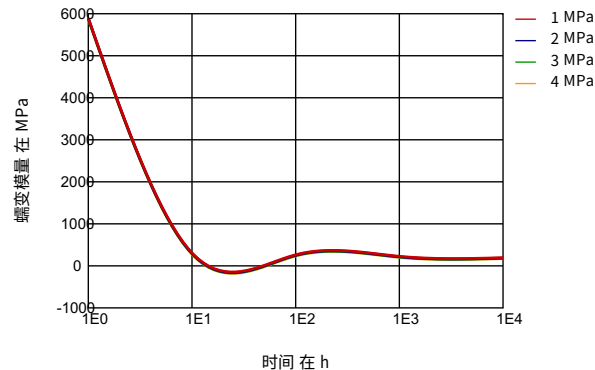
剪切应力 - 剪切速度



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.

RILSAMID[®]

AZM 30 O TLD

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	

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.