RILSAMID®
AZM 23 BLACK T6LD

PA12, MHLR, 16-060, GF23
Rilsamid® AZM 23 BLACK T6LD树脂 是一种玻纤增强聚酰胺。该黑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	13 / *	cm³/10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	
载荷	5 / *	kg	-
	11 / *	lb	
模塑收缩率, 平行	0.2 / *	%	ISO 294-4, 2577
模塑收缩率, 垂直	0.4 / *	%	ISO 294-4, 2577
机械性能			
拉伸模量	5500 / 5070	MPa	ISO 527-1/-2
	798000 / 735000	psi	
屈服应力	101 / 105	MPa	ISO 527-1/-2
	14600 / 15200	psi	
屈服伸长率	3 / 3.5	%	ISO 527-1/-2
名义断裂伸长率	5 / 5.2	%	ISO 527-1/-2
断裂应力	95 / 100	MPa	ISO 527-1/-2
	13800 / 14500	psi	
简支梁冲击强度, +23°C	66 / 77	kJ/m²	ISO 179/1eU
	31.4 / 36.6	ftlb/in²	
简支梁冲击强度, -30°C	66 / 83	kJ/m²	ISO 179/1eU
	31.4 / 39.5	ftlb/in²	
简支梁缺口冲击强度, +23°C	15 / 19	kJ/m²	ISO 179/1eA
	7.14 / 9.04	ftlb/in²	
简支梁缺口冲击强度, -30°C	8 / 12	kJ/m²	ISO 179/1eA
	3.81 / 5.71	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	165 / *	°C	ISO 75-1/-2
	329 / *	°F	
热变形温度, 0.45 MPa	173 / *	°C	ISO 75-1/-2
	343 / *	°F	
维卡软化温度, 50°C/h 50N	165 / *	°C	ISO 306
	329 / *	°F	

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线性热膨胀系数, 平行	60 / *	E-6/K	ISO 11359-1/-2
在空气中热分解	222	°C	1% wt. loss
	432	°F	
在氮气中热分解	223	°C	1% wt. loss
	433	°F	
电性能			
相对介电常数, 100Hz	5 / -	-	IEC 60250
相对介电常数, 1MHz	5 / -	-	IEC 60250
介质损耗因子, 100Hz	1170 / -	E-4	IEC 60250
介质损耗因子, 1MHz	364 / -	E-4	IEC 60250
其它性能			
吸水性, 23°C, immersion, equilibrium	1.3 / *	%	ISO 62
吸湿性	0.5 / *	%	ISO 62
密度	1180 / 1170	kg/m³	ISO 1183
	1.18 / 1.17	g/cm³	

Packaging:
This grade is delivered dried in sealed packaging (25 kg bags / 450 kg rigid containers) ready to be processed
Shelf life:
Two years from the delivery.
For any use above this limit please refer to our technical services.

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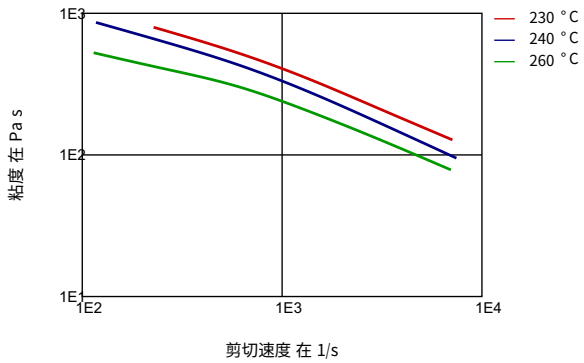
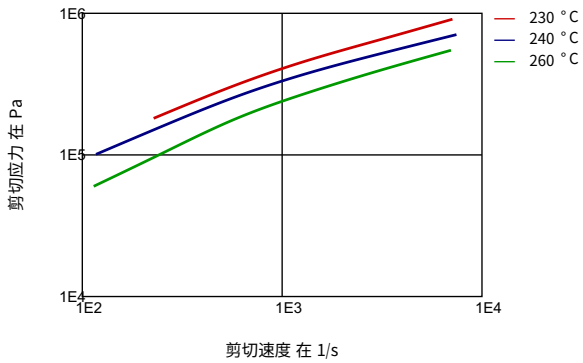
图表

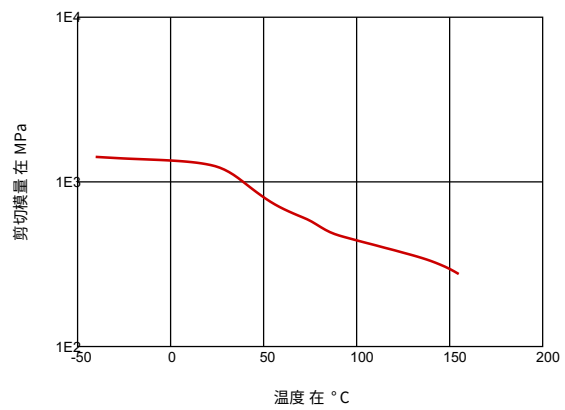
粘度 - 剪切速度



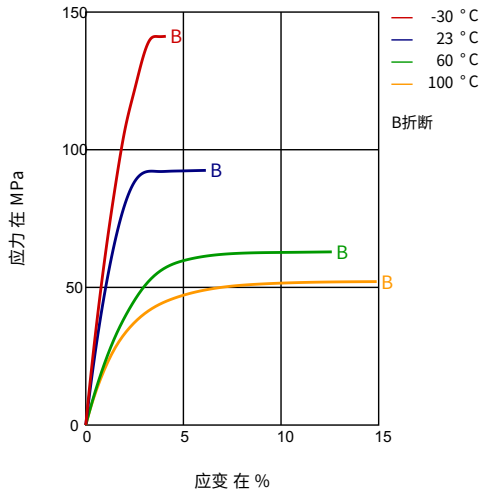
剪切应力 - 剪切速度



动态剪切模量 - 温度



应力 - 应变.



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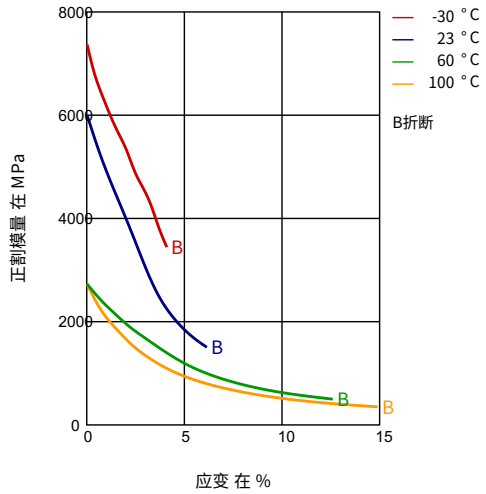
正割模量 - 应变.



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.

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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