

RILSAMID® AESNO MED

Rilsamid® AESNO MED 是一种硬质聚酰胺12，粘度高，设计用于管材挤出。该专用于挤出，带来最佳质量，而且专门设计可达到微创器械等严格的医疗应用要求。

应要求，可提供 USP 第VI 类合规证明书。

性能	干 / 已调节	单位	测试标准
流变性能			
熔体体积流动速度	8 / *	cm³/10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	-
载荷	5 / *	kg	-
	11 / *	lb	-
机械性能			
拉伸模量	1500 / 1440	MPa	ISO 527-1/-2
	218000 / 209000	psi	
屈服应力	50 / 43	MPa	ISO 527-1/-2
	7250 / 6240	psi	
屈服伸长率	5 / 5	%	ISO 527-1/-2
名义断裂伸长率	>50 / >50	%	ISO 527-1/-2
简支梁冲击强度, +23°C	- / 无断裂	kJ/m²	ISO 179/1eU
简支梁冲击强度, -30°C	- / 无断裂	kJ/m²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	- / 11	kJ/m²	ISO 179/1eA
	- / 5.23	ftlb/in²	
简支梁缺口冲击强度, -30°C	- / 6	kJ/m²	ISO 179/1eA
	- / 2.85	ftlb/in²	
冲孔最大力, -30°C	- / 4800	N	ISO 6603-2
冲孔功, -30°C	- / 60	J	ISO 6603-2
热性能			
熔融温度, 10°C/min	180 / *	°C	ISO 11357-1/-3
热变形温度, 1.80 MPa	55 / *	°C	ISO 75-1/-2
	131 / *	°F	
热变形温度, 0.45 MPa	135 / *	°C	ISO 75-1/-2
	275 / *	°F	
维卡软化温度, 50°C/h 50N	142 / *	°C	ISO 306
	288 / *	°F	
线性热膨胀系数, 平行	100 / *	E-6/K	ISO 11359-1/-2
电性能			

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Source: automatically generated TDS from Material Database on 12-08-2024

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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/m 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	1.6 / *	%	ISO 62
密度	1010 / - 1.01 / -	kg/m³ g/cm³	ISO 1183

Main Application:

- Medical Tubing.
- Catheters.

Packaging:

This grade is delivered dried in sealed packaging (20 kg bags) ready to be processed.

Shelf life:

Two years from the date of delivery. for any use above this limit, please refer to our technical services.

Processing conditions, Extrusion:

- Typical melt temperature (Min / Recommended / Max) : 190°C / 210°C / 230°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 65 - 80°C.

加工方法	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
薄膜挤出成型, 异型材挤出成型, 片材挤出成型, 其它挤出成型	
供货形式	
粒料	
地区供应	
北美, 欧洲, 亚太, 中南美洲, 中东/非洲	

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