+135-3858-6433 (GuangDong)
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ARKEMA

ALBIS

Rilsamid® AESNO MED

PA12 ARKEMA

ISO 16396 - PA12, EG, C22-010

Rilsamid® AESNO MED is a rigid polyamide 12 with high viscosity designed for tube extrusion. This grade, dedicated to extrusion, offers the highest quality and it is specifically designed to meet the stringent requirements of the medical applications such as minimally invasive devices.

Upon request letters regarding USP Class VI compliance can be provided.

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.

流变性能	干 / 湿	单位	试验方法
ISO数据			
熔体体积流动速度, MVR	8 / *	cm³/10min	ISO 1133
温度	235 / *	°C	-
载荷	5 / *	kg	-

机械性能	干 / 湿	单位	试验方法
ISO数据			
拉伸模量	1500 / 1440	MPa	ISO 527
屈服应力	50 / 43	MPa	ISO 527
屈服伸长率	5 / 5	%	ISO 527
名义断裂伸长率	>50 / >50	%	ISO 527
简支梁缺口冲击强度, +23°C	- / 11	kJ/m²	ISO 179/1eA
简支梁缺口冲击强度, -30°C	- / 6	kJ/m²	ISO 179/1eA
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	干 / 湿	单位	试验方法
ISO数据			
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
热变形温度, 0.45 MPa	135 / *	°C	ISO 75-1/-2
维卡软化温度, 50°C/h 50N	142 / *	°C	ISO 306
线性热膨胀系数, 平行	100 / *	E-6/K	ISO 11359-1/-2

电性能	干 / 湿	单位	试验方法
ISO数据			
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	kV/mm	IEC 60243-1
相对漏电起痕指数	- / 600	-	IEC 60112

其它性能	干 / 湿	单位	试验方法
ISO数据			
吸水性	1.6 / *	%	类似ISO 62
密度	1010 / -	kg/m³	ISO 1183

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特征

加工方法

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

生态估价

医用级, US药物六级认证

供货形式

粒料

E尾募烦龇尚

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.