

# RILSAMID® AESNO MED

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 CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
Melt volume-flow rate, MVR	8 / *	cm <sup>3</sup> /10min	ISO 1133
Temperature	455 / *	°F	-
Load	11 / *	lb	-
Tensile Modulus	218000 / 209000	psi	ISO 527-1/-2
Yield stress	7250 / 6240	psi	ISO 527-1/-2
Yield strain	5 / 5	%	ISO 527-1/-2
Nominal strain at break	> 50 / > 50	%	ISO 527-1/-2
Charpy impact strength, +23°C	- / N	ftlb/in <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	- / N	ftlb/in <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	- / 5.23	ftlb/in <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	- / 2.85	ftlb/in <sup>2</sup>	ISO 179/1eA
Puncture - maximum force, -30°C	- / 4800	N	ISO 6603-2
Puncture energy, -30°C	- / 60	J	ISO 6603-2
Melting temperature, 10°C/min	356 / *	°F	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	131 / *	°F	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	275 / *	°F	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	288 / *	°F	ISO 306
Coeff. of linear therm. expansion, parallel	100 / *	E-6/K	ISO 11359-1/-2
Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	0.0630 / *	in	-
Burning Behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.1260 / *	in	-
Oxygen index	22 / *	%	ISO 4589-1/-2
Volume resistivity	- / 1E12	Ohm*m	IEC 60093
Surface resistivity	* / 1E14	Ohm	IEC 60093
Electric strength	- / 762	kV/in	IEC 60243-1
Comparative tracking index	- / 600	-	IEC 60112
Water absorption	1.6 / *	%	Sim. to ISO 62
Density	1.01 / -	g/cm <sup>3</sup>	ISO 1183

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# RILSAMID® AESNO MED

## Processing

Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion

## Delivery form

Pellets

## Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

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**BY ARKEMA**

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