

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

Property	Value	Unit	Test Method
Nature & Designation	PA12, E, 22-010		ISO 1874
Density	1.01	g/cm ³	ISO 1183
Melting Point	169	°C	ISO 11357
Melt Volume Index (235°C, 2.16 kg)	8	cm ³ /10 min	ISO 11357
Hardness (*) Instantaneous After 15 s	74 70	Shore D Shore D	ISO 868
Tensile Test (*) Stress at Yield Strain at Yield Stress at Break Strain at Break	38 5 47 >200	MPa % MPa %	ISO 527
Tensile Modulus (*)	1260	MPa	ISO 178
Flexural Modulus (*)	1060	MPa	ISO 178
Charpy Impact (*) Unnotched 23°C Unnotched -30°C V-notched 23°C V-notched -30°C	No break No break 11 8	kJ/m ² kJ/m ² kJ/m ² kJ/m ²	ISO 179

(*) Samples conditioned 15 days at 23°C - 50 % R.H.

MAIN APPLICATIONS

- Medical Tubing.
- Catheters.

PROCESSING CONDITIONS

Conditions	Typical values
Extrusion Melt Temperature (Min / Recommended / Max)	190°C / 210°C / 230°C
Drying (only necessary for bags opened for more than two hours) Time Temperature	4 - 6 hours 65 - 80°C

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.

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See Safety Data Sheet for Health & Safety Considerations.