RILSAMID® AMNO MED

Rilsamid® AMNO MED is a thermoplastic polyamide 12. This grade dedicated to injection 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	Typical Value	Unit	Test Method
Nature & Designation	**PA12, M, 12-010**		ISO 1874
Density	**1.01**	g/cm³	ISO 1183
Melting Point	**180**	°C	ISO 11357
Melt Volume Index (235°C, 2.16 kg)	**57**	cm³/10 min	ISO 11357
Hardness (*)			ISO 868
Instantaneous	**74**	Shore D	
After 15 s	**69**	Shore D	
Tensile Test (*)			ISO 527
Stress at Yield	**37**	MPa	
Strain at Yield	**8**	%	
Stress at Break	**62**	MPa	
Strain at Break	**>200**	%	
Tensile Modulus (*)	**1100**	MPa	ISO 178
Flexural Modulus (*)	**920**	MPa	ISO 178
Charpy Impact (*)			ISO 179
Unnotched 23°C	**No break**	kJ/m²	
Unnotched -30°C	**No break**	kJ/m²	
V-notched 23°C	**5**	kJ/m²	
V-notched -30°C	**6**	kJ/m²	

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

RILSAMID® BY ARKEMA

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MAIN APPLICATIONS

- Medical molded components such as needle fittings for syringes.
- Minimally invasive devices.

PROCESSING CONDITIONS

Conditions	Typical values
Injection Melt Temperature (Min / Recommended / Max)	**190°C / 210°C / 230°C**
Mold Temperature	**25 – 60°C**

Drying (only necessary for bags opened for more than two hours) Time Temperature	 **4 - 6 hours** **80 - 90°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.

See Safety Data Sheet for Health & Safety Considerations.

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