

Rilsamid® AESNO MED

Polyamide 12

Arkema

Message:

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 APPLICATIONS

Medical Tubing.
Catheters.

General Information			
Features	High Rigidity		
	High Viscosity		
Uses	Tubing		
Agency Ratings	USP Class VI		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/2.16 kg)	8.00	cm³/10min	ISO 11357
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	74		
Shore D, 15 sec	70		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1260	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	38.0	MPa	
Break	47.0	MPa	
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	> 200	%	
Flexural Modulus	1060	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	8.0	kJ/m²	
23°C	11	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		

Thermal	Nominal Value	Unit	Test Method
Melting Temperature	180	°C	ISO 11357-3
Additional Information	Nominal Value		Test Method
ISO Shortname	PA12, E, 22-010		ISO 1874
Extrusion	Nominal Value	Unit	
Drying Temperature	65.0 to 80.0	°C	
Drying Time	4.0 to 6.0	hr	
Melt Temperature	190 to 230	°C	

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