

RILSAMID®

AESNO P401

ISO 16396 - PA12-P, EGHL, C22-004

Rilsamid® AESNO P401 TL resin is a natural polyamide.

This grade is plasticized and designed for tube extrusion.

Rilsamid® AESNO P401 TL resin falls into the PA12-HIPHL category according to DIN 73378.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	13 / *	cm ³ /10min	ISO 1133
Temperature	235 / *	°C	-
	455 / *	°F	-
Load	5 / *	kg	-
	11 / *	lb	-
MECHANICAL PROPERTIES			
Tensile Modulus	- / 360	MPa	ISO 527-1/-2
	- /	psi	
Stress at 50% Strain	52200	MPa	ISO 527-1/-2
	- / 724	psi	
	- / 3480	psi	
Strain at Break	- / >50	%	ISO 527-1/-2
Charpy Impact Strength, +23°C	No Break / No Break	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	No Break / No Break	kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	46 / No Break	kJ/m ²	ISO 179/1eA
	21.9 / No Break	ftlb/in ²	
Charpy Notched Impact Strength, -30°C	4 / 8	kJ/m ²	ISO 179/1eA
	1.9 / 3.81	ftlb/in ²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	174 / *	°C	ISO 11357-1/-3
ELECTRICAL PROPERTIES			
Dielectric (Electric) Strength	41 / -	kV/mm	IEC 60243-1
	1040 / -	kV/in	
Comparative Tracking Index	600 / -	-	IEC 60112
OTHER PROPERTIES			
Water Absorption	1.2 / *	%	Sim. to ISO 62
Density	1030 / -	kg/m ³	ISO 1183
	1.03 / -	g/cm ³	

RILSAMID[®]

AESNO P401

MAIN APPLICATIONS:

Tubings

PACKAGING:

This grade is delivered dried in sealed packaging (44 lb bags / 1000 lb containers) 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.

Processing conditions for extrusion :

- Typical melt temperature (Min / Recommended / Max) : 230°C / 250°C / 270°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 80°C.

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