

RILSAMID® AECNO TL

ISO 16396 - PA12, KGHL, C12-010

Rilsamid® AECNO TL resin is a natural polyamide 12.
This grade is designed for cable coating.

MAIN CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
MECHANICAL PROPERTIES			
Tensile Modulus	- / 1250	MPa	ISO 527-1/-2
Yield stress	- / 43	MPa	ISO 527-1/-2
Yield strain	- / 5	%	ISO 527-1/-2
Nominal Strain at Break	- / > 50	%	ISO 527-1/-2
Shore D Hardness, 15s	71 / *	-	ISO 7619-1
Charpy Impact Strength, +23°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 5	kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 7	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	178 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1010 / 1010	kg/m ³	ISO 1183

MAIN APPLICATIONS:

- Wire and cable sheathing

PACKAGING:

This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

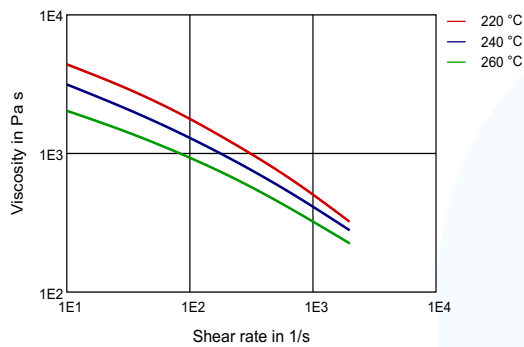
SHELF LIFE:

Two years from the date of delivery. for any use above this limit, please refer to our technical services.

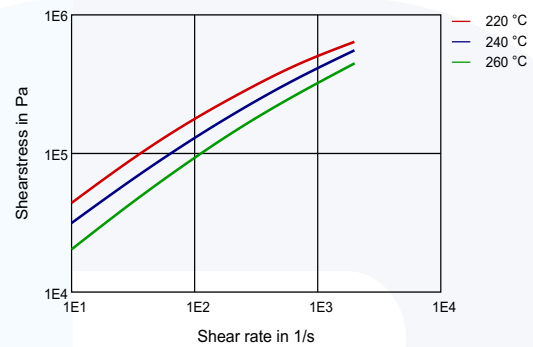
RILSAMID® AECNO TL

DIAGRAMS

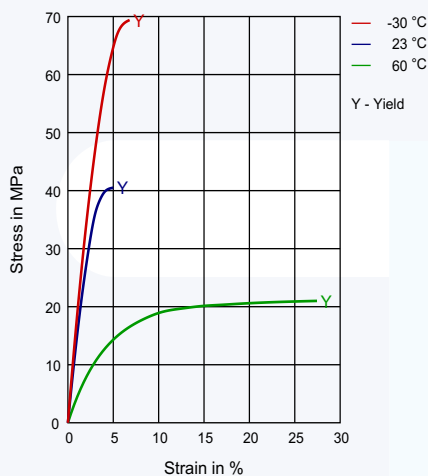
VISCOSITY-SHEAR RATE



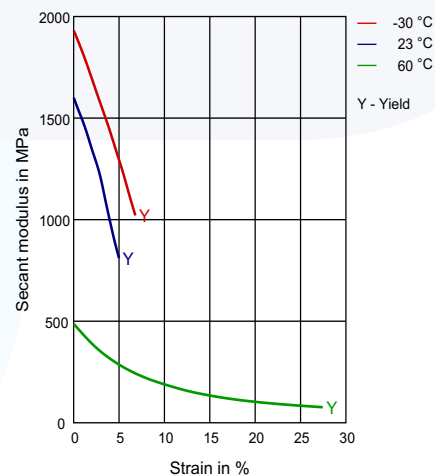
SHEARSTRESS-SHEAR RATE



STRESS-STRAIN



SECANT MODULUS-STRAIN



Processing conditions:

Typical melt temperature (Min / recommended / Max): 240°C / 250°C / 260°C

Drying time and temperature (only necessary for bags opened more than two hours): 4 - 8 hours at 80°C

PROCESSING

Injection Molding, Other Extrusion, Coating

DELIVERY FORM

Pellets

SPECIAL CHARACTERISTICS

Heat Stabilized, Light Stabilized

REGIONAL AVAILABILITY

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

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RILSAMID®
BY **ARKEMA**

RILSAMID® AECNO TL

ADDITIVES

Lubricants

Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790
SIC/11-2018

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RILSAMID®
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