

RILSAMID®

AESNO 14 TL

ISO 16396 - PA12, EGHL, C22-010

Rilsamid® AESNO 14 TL resin is a polyamide 12.

This grade is designed for extrusion and specially dedicated for application where transparency is required.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	2.1 / *	cm ³ /10 min	ISO 1133
Temperature	235 / *	°C	-
	455 / *	°F	-
Load	5 / *	kg	-
	11 / *	lb	-
MECHANICAL PROPERTIES			
Tensile Modulus	- / 1125	MPa	ISO 527-1/-2
	- / 163000	psi	
Yield Stress	- / 34	MPa	ISO 527-1/-2
	- / 4930	psi	
Yield Strain	- / 11	%	ISO 527-1/-2
Nominal 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	- / 63	kJ/m ²	ISO 179/1eA
	- / 30	ftlb/in ²	
Charpy Notched Impact Strength, -30°C	- / 11	kJ/m ²	ISO 179/1eA
	- / 5.23	ftlb/in ²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	178 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1010 / 1010	kg/m ³	ISO 1183
	1.01 / 1.01	g/cm ³	

MAIN APPLICATIONS:

- Ski top layer

PACKAGING:

This grade is delivered dried in sealed packaging (550 kg rigid containers)) ready to be processed.

SHELF LIFE:

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Source: automatically generated TDS from Material Database on 20-02-2024

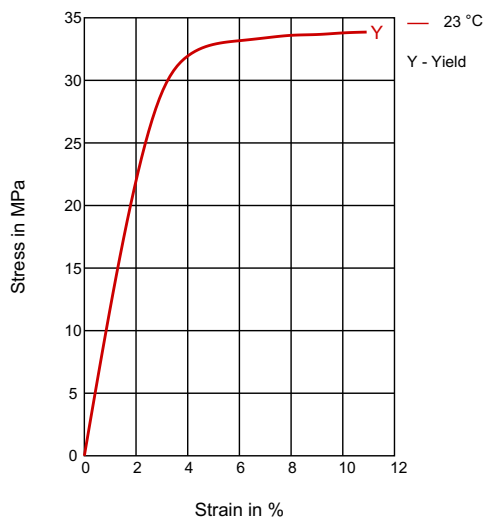
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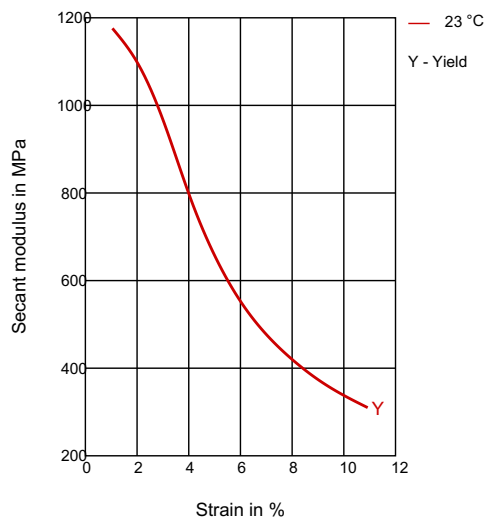
Two years from the date of delivery. for any use above this limit, please refer to our technical services.

DIAGRAMS

STRESS-STRAIN



SECANT MODULUS-STRAIN



Processing conditions, Extrusion:

- Typical melt temperature (Min / Recommended / Max) : 230°C / 240°C / 270°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 80°C.

PROCESSING Profile Extrusion, Sheet Extrusion, Other Extrusion	Headquarters: Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
DELIVERY FORM Pellets	
ADDITIVES Lubricants	
SPECIAL CHARACTERISTICS Heat Stabilized, Light Stabilized	
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	

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