

RILSAMID®

AESNO P40 TL

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

Rilsamid® AESNO P40 TL resin is a natural polyamide.
This grade is plasticized and designed for tube extrusion.

Rilsamid® AESNO P40 TL resin falls into the PA12-PHL category according to DIN 73378.

特性	乾燥/調湿	単位	テスト基準
レオロジー特性			
メルトポリウムレイト	16 / *	cm ³ /10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	-
荷重	5 / *	kg	-
	11 / *	lb	-
機械的特性			
引張弾性率	430 / 380	MPa	ISO 527-1/-2
	62400 / 55100	psi	
降伏応力	26 / 23	MPa	ISO 527-1/-2
	3770 / 3340	psi	
降伏ひずみ	24 / 26	%	ISO 527-1/-2
破壊呼びひずみ	>50 / >50	%	ISO 527-1/-2
シャルピー衝撃強さ, +23°C	- / 未破壊	kJ/m ²	ISO 179/1eU
シャルピー衝撃強さ, -30°C	- / 未破壊	kJ/m ²	ISO 179/1eU
ノッチ付きシャルピー衝撃強さ, +23°C	- / 未破壊	kJ/m ²	ISO 179/1eA
ノッチ付きシャルピー衝撃強さ, -30°C	- / 5	kJ/m ²	ISO 179/1eA
	- / 2.38	ftlb/in ²	
パンクチャー衝撃 - 最大応力, -30°C	- / 5600	N	ISO 6603-2
パンクチャー衝撃エネルギー, -30°C	- / 60	J	ISO 6603-2
熱的特性			
熔融温度, 10°C/min	174 / *	°C	ISO 11357-1/-3
荷重たわみ温度, 1.80 MPa	46 / *	°C	ISO 75-1/-2
	115 / *	°F	
荷重たわみ温度, 0.45 MPa	90 / *	°C	ISO 75-1/-2
	194 / *	°F	
ビカット軟化温度, 50°C/h 50N	130 / *	°C	ISO 306
	266 / *	°F	

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

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線膨張係数, 平行	140 / *	E-6/K	ISO 11359-1/-2
電気的特性.			
体積抵抗率	- / 1E9	Ohm* m	IEC 62631-3-1
表面抵抗率	* / 5E11	Ohm	IEC 62631-3-2
耐電圧	- / 24	kV/m	IEC 60243-1
	- / 610	kV/in	
耐トラッキング性	* / 600	-	IEC 60112
その他の特性.			
吸水率, 23°C, immersion, equilibrium	1.2 / *	%	ISO 62
密度	1030 / 1030	kg/m ³	ISO 1183
	1.03 / 1.03	g/cm ³	

Main applications:
Air brake.
Tubing for use in motor vehicles

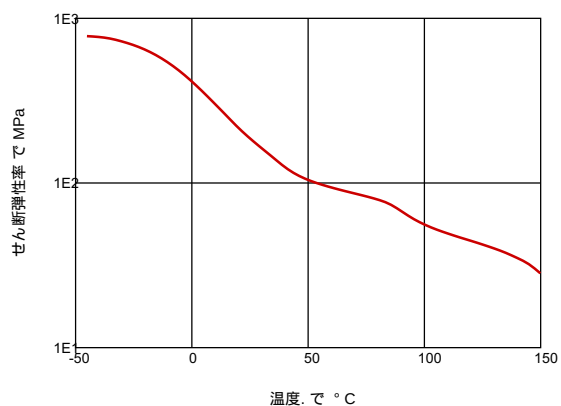
Packaging:
This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

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

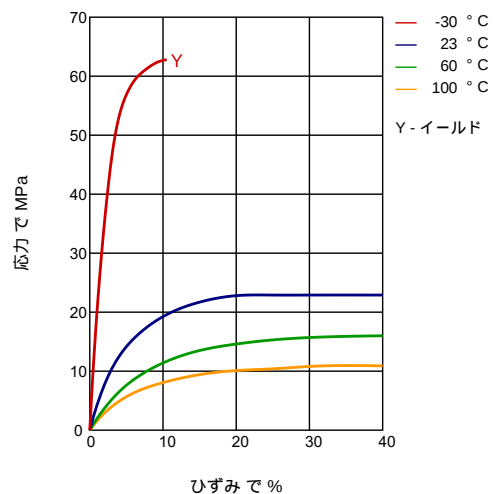
RILSAMID® AESNO P40 TL

機能

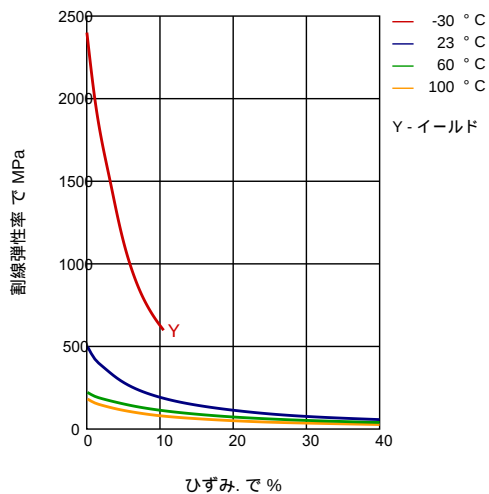
せん断弾性率-温度.



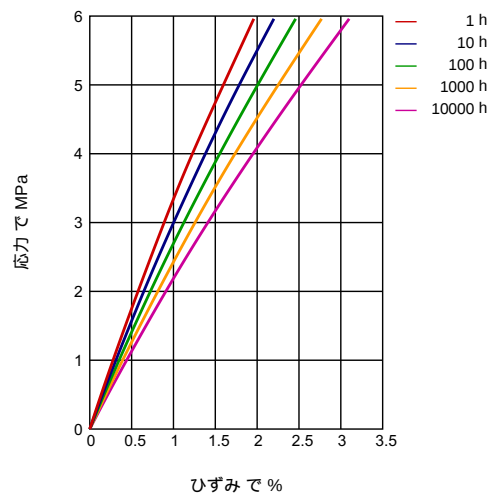
応力-ひずみ.



割線弾性率—ひずみ.

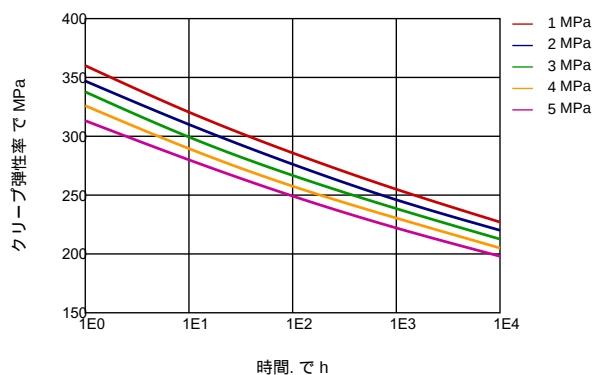


応力-ひずみ (等時的) 73°F

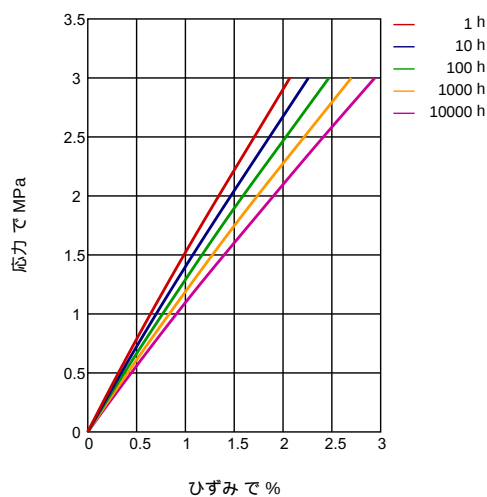


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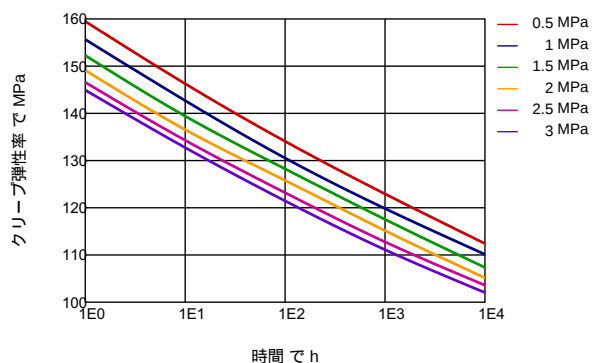
クリープ弾性率—時間. 73°F



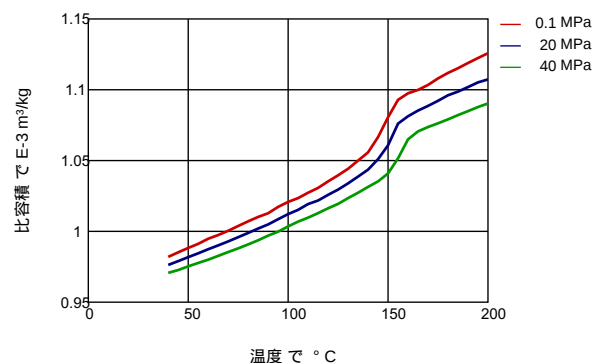
応力-ひずみ (等時的) 176°F



クリープ弾性率—時間. 176°F



PVT



Processing conditions, Extrusion :

- Typical melt temperature (Min / Recommended / Max) : 210°C / 230°C / 260°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-8 hours at 80°C.

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成形加工法 射出成形, 異形押出成形, その他の押出成形	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
納入形状 ペレット	
添加剤 滑剤, 可塑剤	
特殊な特性 熱安定化, 光安定化	
領域別の利用可能性 北アメリカ, ヨーロッパ, アジア/太平洋地域, 南・中央アメリカ, 近東/アフリカ	

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