

# RILSAN® BESNO P40 TL

PA11-P, EHL, 22-003

Rilsan® BESNO P40 TL resin is a polyamide 11 produced from a renewable source. This natural grade is plasticized and designed for extrusion.

The percentage of renewable carbon according to ASTM D 6866 is 89%.

特性	乾燥/調湿	単位	テスト基準
<b>機械的特性</b>			
引張弾性率	- / 345	MPa	ISO 527-1/-2
	- / 50000	psi	
降伏応力	- / 26	MPa	ISO 527-1/-2
	- / 3770	psi	
降伏ひずみ	- / 50	%	ISO 527-1/-2
破壊呼びひずみ	- / >50	%	ISO 527-1/-2
シヨア硬さD, 15 s	60 / *	-	ISO 868
シャルピー衝撃強さ, +23°C	- / 未破壊	kJ/m <sup>2</sup>	ISO 179/1eU
シャルピー衝撃強さ, -30°C	- / 未破壊	kJ/m <sup>2</sup>	ISO 179/1eU
ノッチ付きシャルピー衝撃強さ, +23°C	- / 未破壊	kJ/m <sup>2</sup>	ISO 179/1eA
ノッチ付きシャルピー衝撃強さ, -30°C	- / 7	kJ/m <sup>2</sup>	ISO 179/1eA
	- / 3.33	ftlb/in <sup>2</sup>	
パンクチャー衝撃 - 最大応力, -30°C	- / 6000	N	ISO 6603-2
パンクチャー衝撃エネルギー, -30°C	- / 70	J	ISO 6603-2
<b>熱的特性</b>			
溶融温度, 10°C/min	181 / *	°C	ISO 11357-1/-3
荷重たわみ温度, 1.80 MPa	45 / *	°C	ISO 75-1/-2
	113 / *	°F	
荷重たわみ温度, 0.45 MPa	130 / *	°C	ISO 75-1/-2
	266 / *	°F	
ピカット軟化温度, 50°C/h 50N	140 / *	°C	ISO 306
	284 / *	°F	
線膨張係数, 平行	110 / *	E-6/K	ISO 11359-1/-2
<b>電気的特性</b>			
比誘電率, 100Hz	9 / -	-	IEC 60250
比誘電率, 1MHz	4 / -	-	IEC 60250
誘電正接, 100Hz	2440 / -	E-4	IEC 60250
誘電正接, 1MHz	1040 / -	E-4	IEC 60250
体積抵抗率	- / 1E9	Ohm* m	IEC 62631-3-1

Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790 SDC/11-2018  
 Source: automatically generated TDS from Material Database on 12-08-2024

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表面抵抗率	* / 5E11	Ohm	IEC 62631-3-2
耐電圧	- / 23 - / 584	kV/m kV/in	IEC 60243-1
その他の特性.			
%Bio-Based	89	-	ASTM D6866
吸水率, 23°C, immersion, equilibrium	1.6 / *	%	ISO 62
密度	1040 / 1040 1.04 / 1.04	kg/m³ g/cm³	ISO 1183

### Main applications:

- Fluid transportation
- Fuel line
- Tubing for use in motor vehicle
- Air brake line

### Packaging:

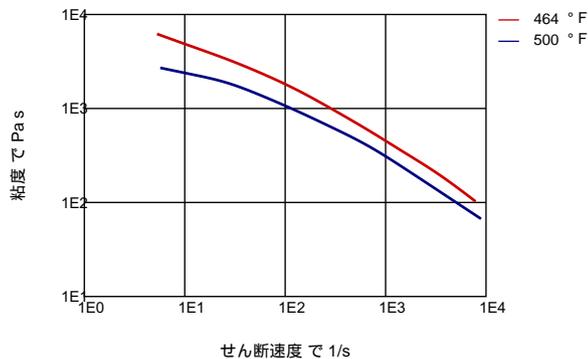
This grade is delivered dried in sealed packaging (25 kg bags, 44 lb bags, 550 kg rigid containers, 1000 lb rigid containers) ready to be processed.

### Shelf Life:

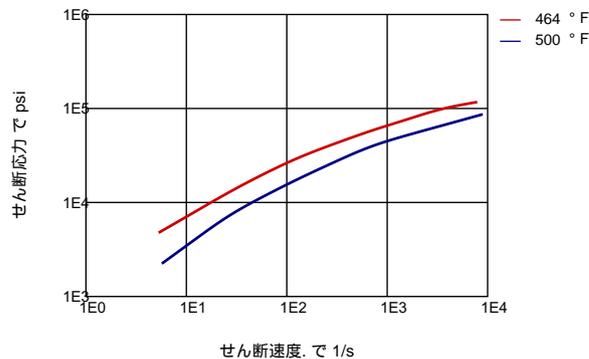
Two years from the delivery. For any use above this limit, please refer to our technical services.

## 機能

### 粘度せん断速度.

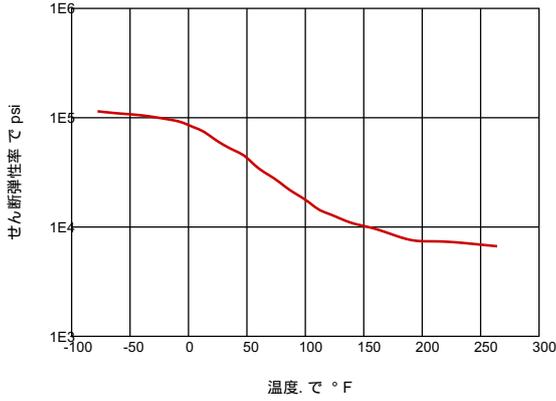


### せん断応力-せん断速度.

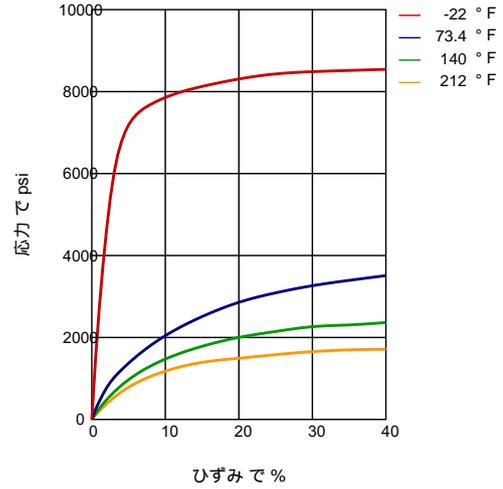


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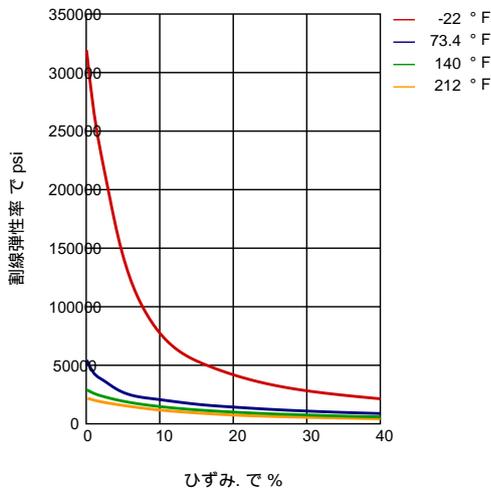
せん断弾性率-温度.



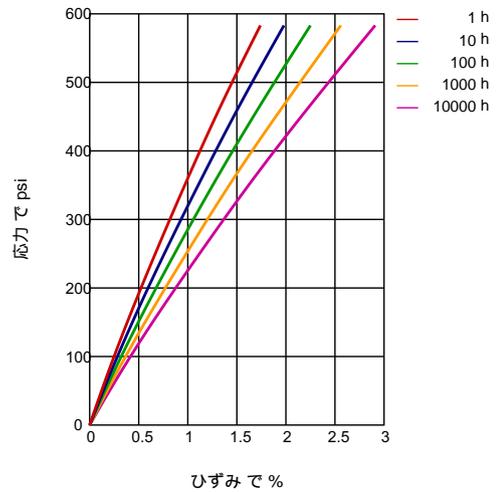
応力-ひずみ.



割線弾性率-ひずみ.

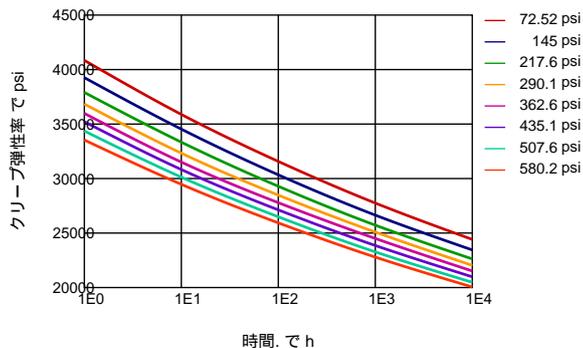


応力-ひずみ (等時的) 73°F

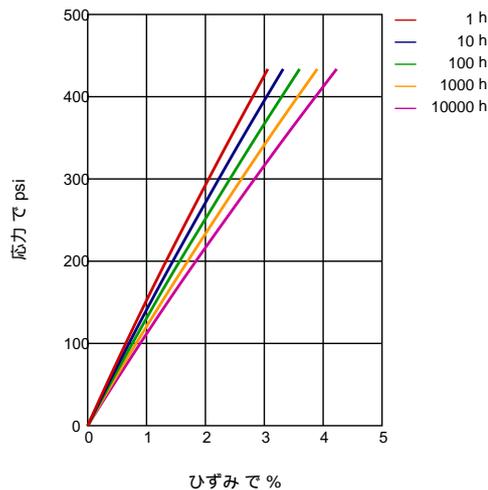


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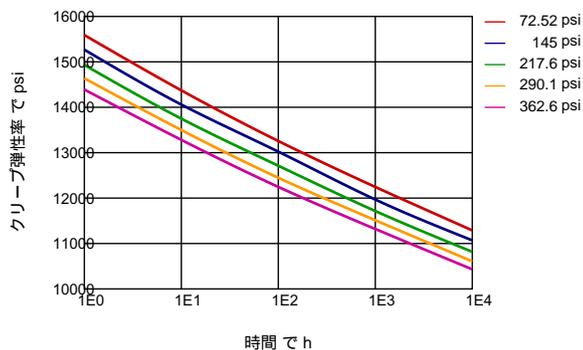
クリープ弾性率—時間. 73°F



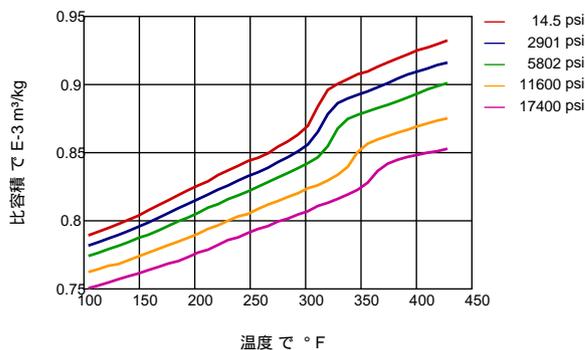
応力-ひずみ (等時的) 212°F



クリープ弾性率—時間. 212°F



PVT



Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 230°C / 250°C / 280°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-8 hours at 80-90°C.

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# RILSAN<sup>®</sup>

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<b>成形加工法</b> 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
<b>納入形状</b> ペレット	
<b>添加剤</b> 滑剤, 可塑剤	
<b>特殊な特性</b> バイオベース, 熱安定化, 光安定化	
<b>領域別の利用可能性</b> 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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