

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
機械的特性			
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
ショア硬さD, 15 s	60 / *	-	ISO 868
シャルピー衝撃強さ, +23°C	- / 未破壊	kJ/m²	ISO 179/1eU
シャルピー衝撃強さ, -30°C	- / 未破壊	kJ/m²	ISO 179/1eU
ノッチ付きシャルピー衝撃強さ, +23°C	- / 未破壊	kJ/m²	ISO 179/1eA
ノッチ付きシャルピー衝撃強さ, -30°C	- / 7	kJ/m²	ISO 179/1eA
	- / 3.33	ftlb/in²	
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
熱的特性			
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
電気的特性			
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

RILSAN® BESNO P40 TL

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:

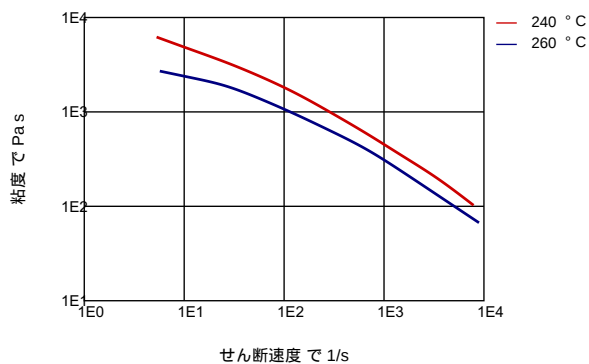
This grade is delivered dried in sealed packaging (25 kg bags, 44 lb bags, 550 kg rigid containers, 1000 lb rigid containers) ready to be processed.

Shelf Life:

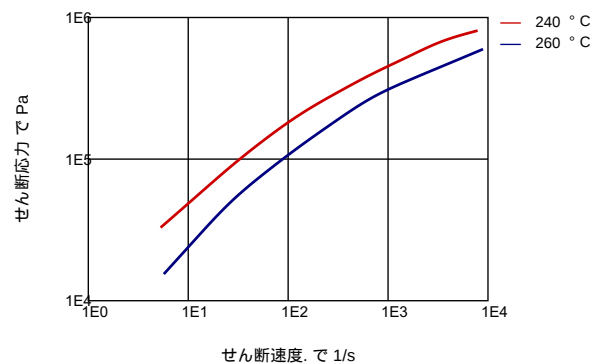
Two years from the delivery. For any use above this limit, please refer to our technical services.

機能

粘度せん断速度.

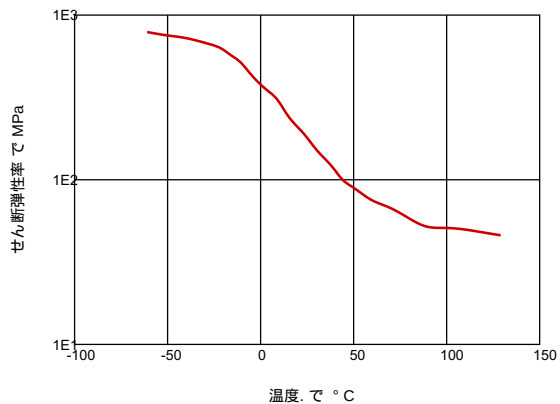


せん断応力-せん断速度.

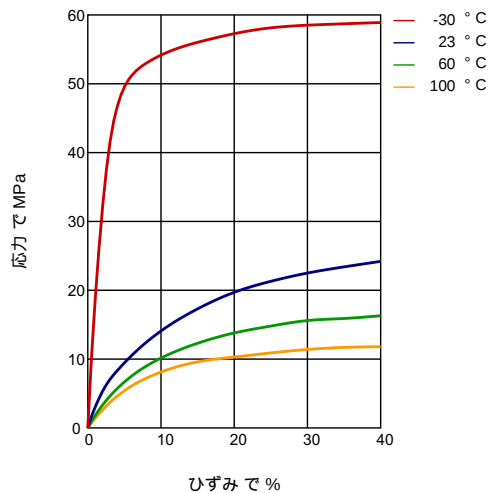


RILSAN[®] BESNO P40 TL

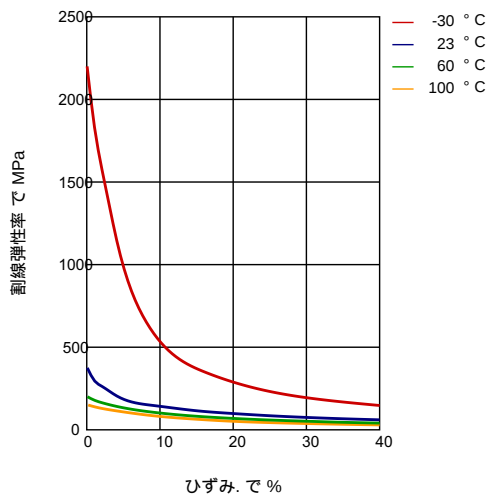
せん断弾性率-温度.



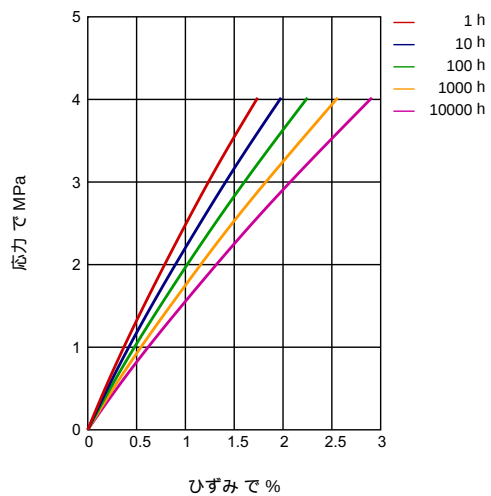
応力-ひずみ.



割線弾性率-ひずみ.

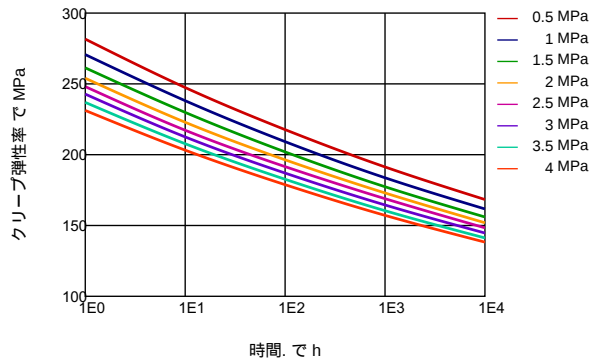


応力-ひずみ (等時的) 73°F

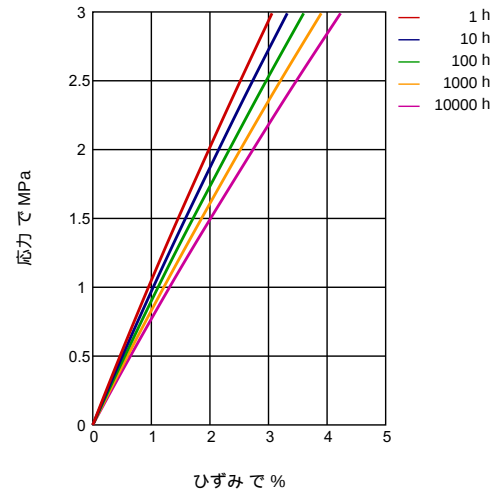


RILSAN® BESNO P40 TL

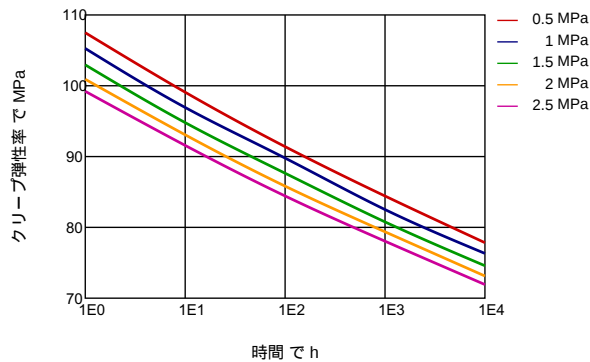
クリープ弾性率—時間. 73°F



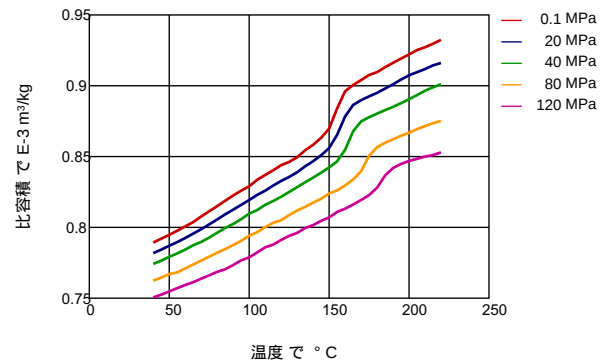
応力-ひずみ (等時的) 212°F



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.

RILSAN[®]

BESNO P40 TL

成形加工法 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 バイオベース, 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	

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.