

RILSAN® BESNO TL

PA11,EHL,22-010

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

特性	乾燥/調湿	単位	テスト基準
レオロジー特性			
メルトボリュームレイト	1 / *	cm³/10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	-
荷重	2.16 / *	kg	-
	4.76 / *	lb	-
機械的特性			
引張弾性率	- / 1280	MPa	ISO 527-1/-2
	- / 186000	psi	
降伏応力	- / 38	MPa	ISO 527-1/-2
	- / 5510	psi	
降伏ひずみ	- / 5	%	ISO 527-1/-2
破壊呼びひずみ	- / >50	%	ISO 527-1/-2
ショア硬さD, 15 s	72 / *	-	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	- / 11	kJ/m²	ISO 179/1eA
	- / 5.23	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, -30°C	- / 12	kJ/m²	ISO 179/1eA
	- / 5.71	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	186 / *	°C	ISO 11357-1/-3
荷重たわみ温度, 1.80 MPa	50 / *	°C	ISO 75-1/-2
	122 / *	°F	
荷重たわみ温度, 0.45 MPa	145 / *	°C	ISO 75-1/-2
	293 / *	°F	
ピカット軟化温度, 50°C/h 50N	160 / *	°C	ISO 306
	320 / *	°F	
線膨張係数, 平行	85 / *	E-6/K	ISO 11359-1/-2
1.5mm厚さでの燃焼性	HB / *	class	IEC 60695-11-10

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 20-02-2024

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試験片の厚さ	1.6 / *	mm	-
	0.0630 / *	in	
Yellow Card 可用	はい / *	-	-
電気的特性.			
比誘電率, 100Hz	3 / -	-	IEC 60250
比誘電率, 1MHz	3 / -	-	IEC 60250
誘電正接, 100Hz	308 / -	E-4	IEC 60250
誘電正接, 1MHz	183 / -	E-4	IEC 60250
体積抵抗率	- / 1E12	Ohm* m	IEC 62631-3-1
表面抵抗率	* / 1E14	Ohm	IEC 62631-3-2
耐電圧	- / 30	kV/m	IEC 60243-1
	- / 762	kV/in	
その他の特性.			
吸水率, 23°C, immersion, equilibrium	1.9 / *	%	ISO 62
密度	1020 / 1020	kg/m³	ISO 1183
	1.02 / 1.02	g/cm³	

Main applications:

- Fluid transportation

Packaging:

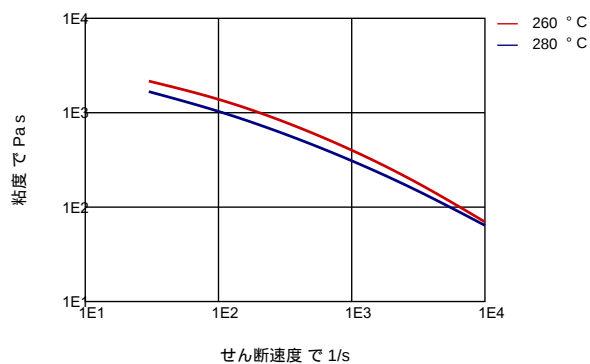
This grade is delivered dried in sealed packaging (25 kg bags, 44 lb bags, 1000 lb rigid containers) ready to be processed.

Shelf Life:

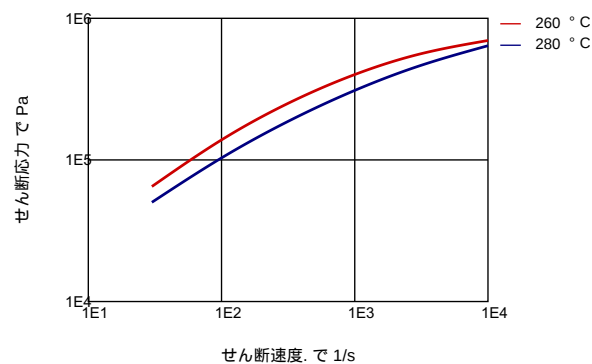
Two years from the delivery. For any use above this limit, please refer to our technical services.

機能

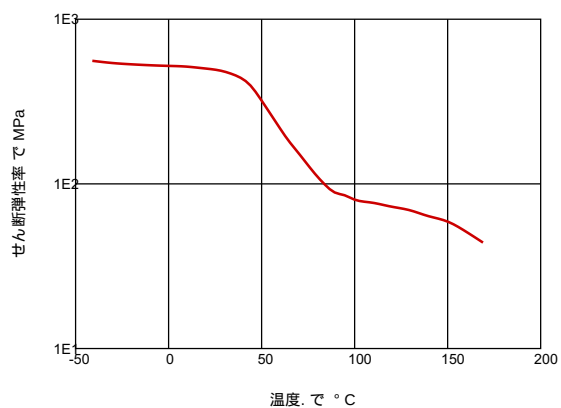
粘度せん断速度.



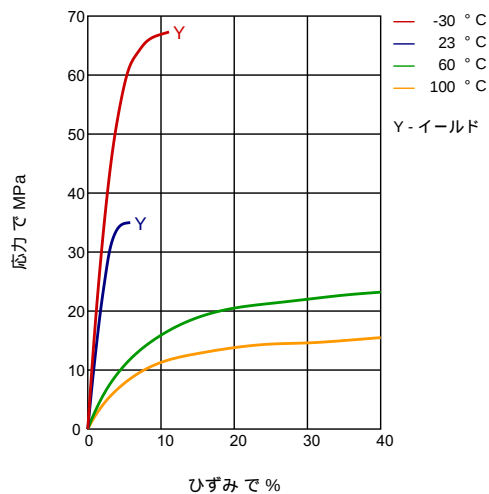
せん断応力-せん断速度.



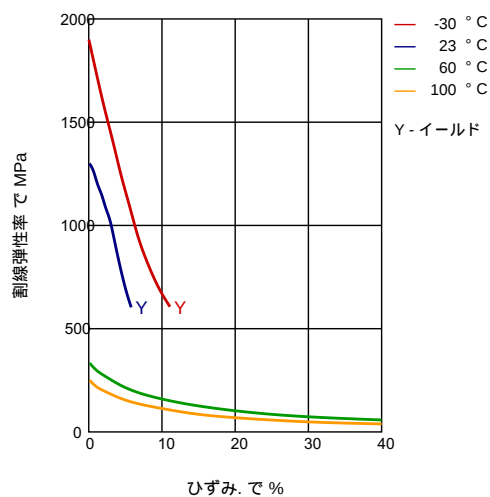
せん断弾性率-温度.



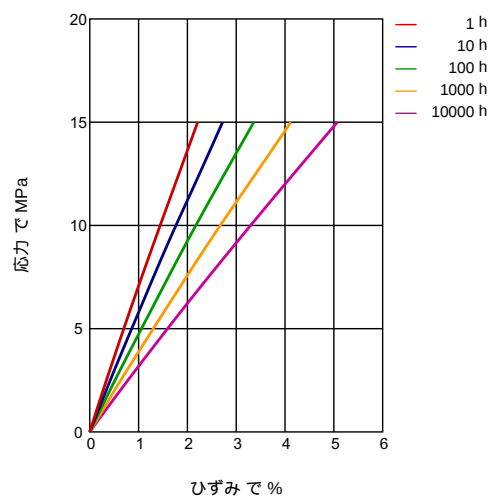
応力-ひずみ.



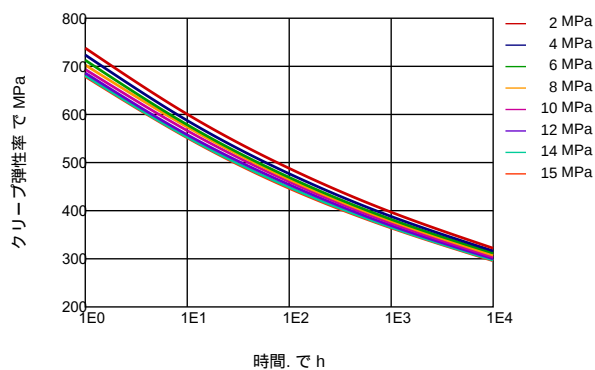
割線弾性率—ひずみ.



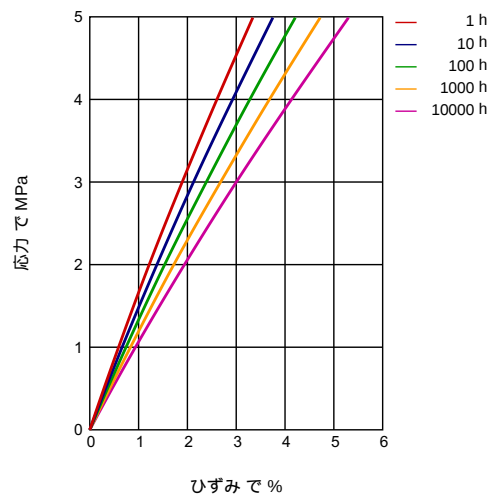
応力-ひずみ (等時的) 73°F



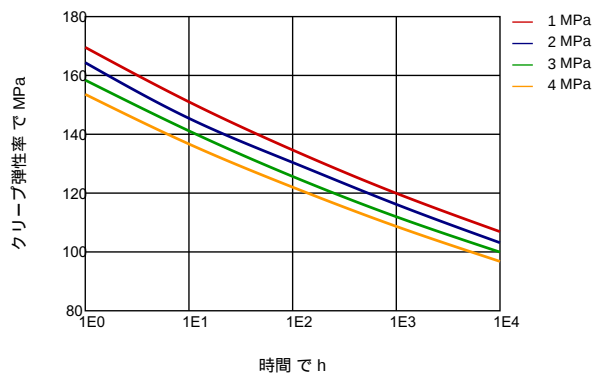
クリープ弾性率—時間. 73°F



応力-ひずみ (等時的) 176°F



クリープ弾性率—時間. 176°F



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.

成形加工法 フィルム押出成形, 異形押出成形, シート押出成形, 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
納入形状 ペレット	
添加剤 滑剤	Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
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	

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