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	
ビカット軟化温度, 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

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表面抵抗率	* / 5E11	Ohm	IEC 62631-3-2
耐電圧	- / 23	kV/mm	IEC 60243-1
	- / 584	kV/in	
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	kg/m³	ISO 1183
	1.04 / 1.04	g/cm³	

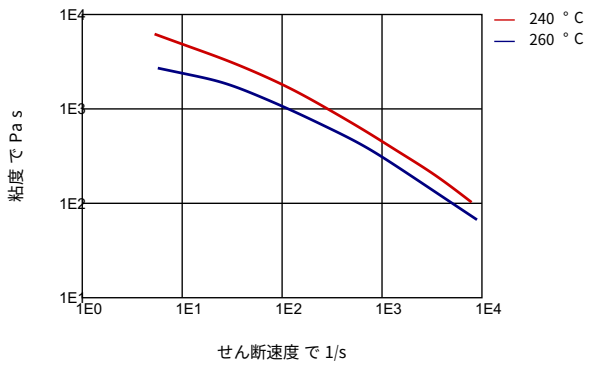
Main applications:
- Fluid transportation
- Air brake line
- Fuel line
- Tubing for use in motor vehicle

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.

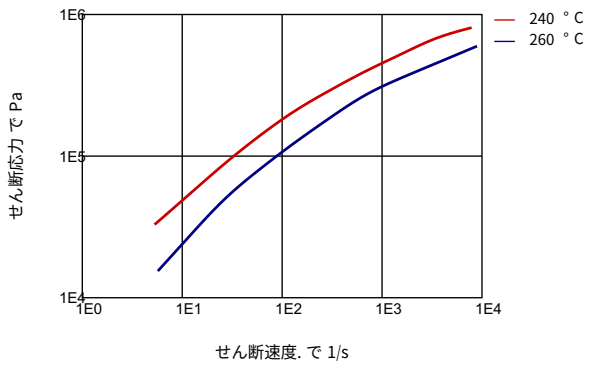
Shelf Life:
Two years from the delivery. For any use above this limit, please refer to our technical services.

機能

粘度せん断速度.



せん断応力-せん断速度.



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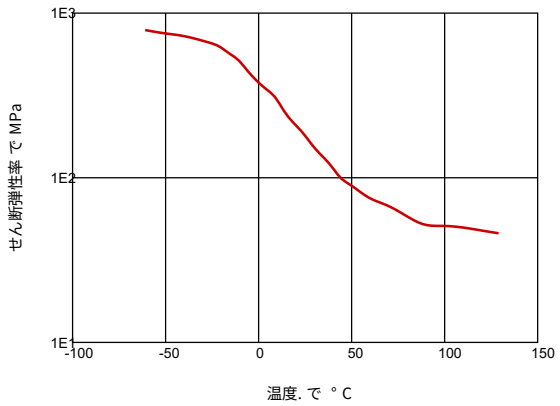
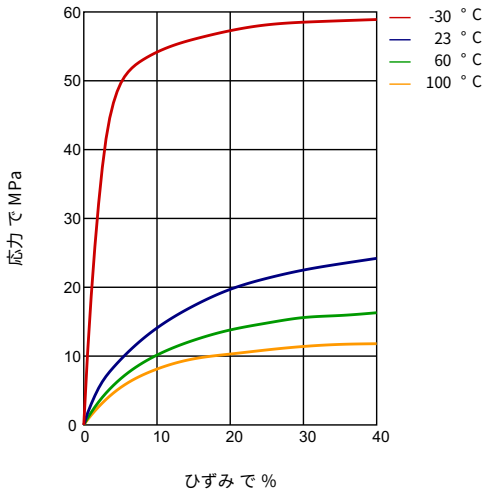
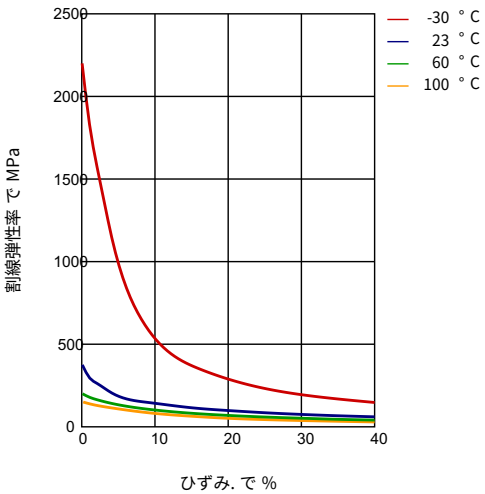
せん断弾性率-温度.



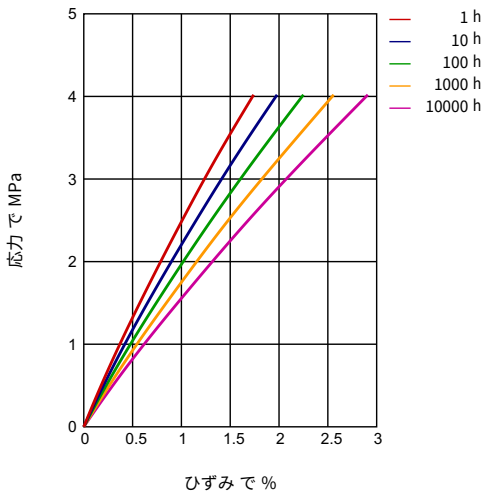
応力-ひずみ.



割線弾性率ーひずみ.



応力-ひずみ (等時的) 73°F



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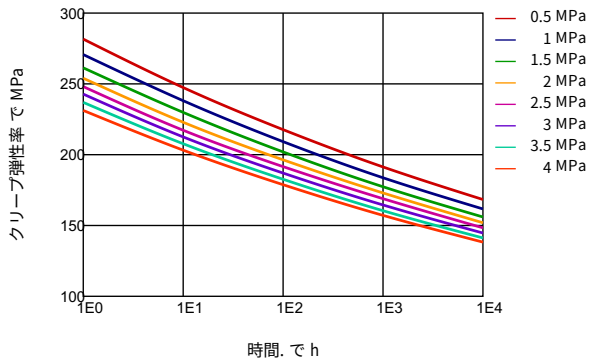
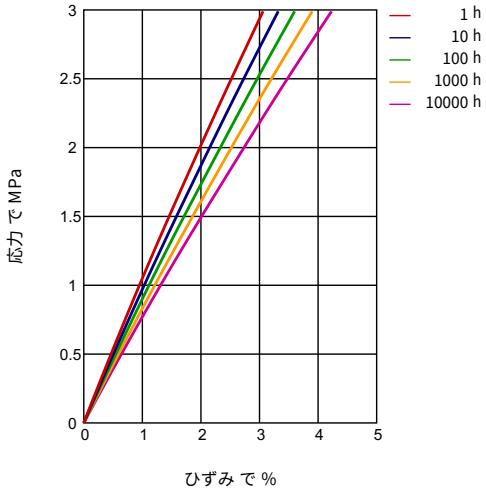
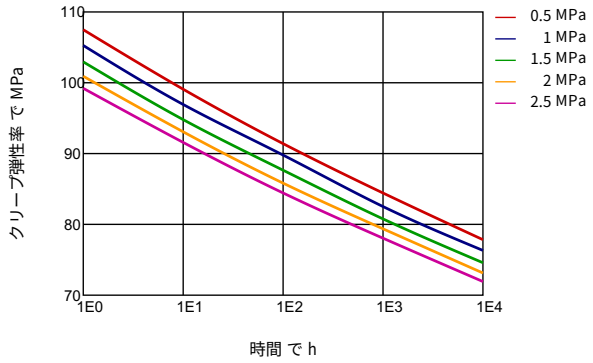
クリープ弾性率—時間. 73°F



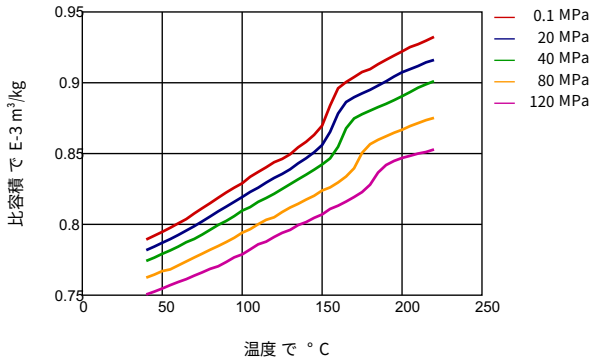
応力-ひずみ (等時的) 212°F



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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成形加工法

異形押出成形，その他の押出成形

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

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