

RILSAN® BMNO TLD

PA11, MHLR, 12-010

Rilsan® BMNO TLD resin is a polyamide 11 produced from a renewable source. This natural grade is designed for injection molding.

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	30 / *	cm³/10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	-
荷重	2.16 / *	kg	-
	4.76 / *	lb	-
成形収縮率, 平行	1.1 / *	%	ISO 294-4, 2577
成形収縮率, 直角	1.0 / *	%	ISO 294-4, 2577
機械的特性			
引張弾性率	- / 1320	MPa	ISO 527-1/-2
	- / 191000	psi	
降伏応力	- / 41	MPa	ISO 527-1/-2
	- / 5950	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	68 / *	-	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	- / 8.3	kJ/m²	ISO 179/1eA
	- / 3.95	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, -30°C	- / 10.5	kJ/m²	ISO 179/1eA
	- / 4.99	ftlb/in²	
熱的特性			
溶融温度, 10°C/min	189 / *	°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	
ビカッ軟化温度, 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
電気的特性			

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

RILSAN® BMNO TLD

比誘電率, 100Hz	4 / -	-	IEC 60250
比誘電率, 1MHz	3 / -	-	IEC 60250
誘電正接, 100Hz	598 / -	E-4	IEC 60250
誘電正接, 1MHz	262 / -	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 - / 762	kV/m kV/in	IEC 60243-1
耐トラッキング性	* / 600	-	IEC 60112
その他の特性.			
吸水率, 23°C, immersion, equilibrium	1.9 / *	%	ISO 62
吸湿率	0.8 / *	%	ISO 62
密度	1030 / 1030	kg/m³	ISO 1183
	1.03 / 1.03	g/cm³	

Main applications:

- Quick connectors parts

Packaging:

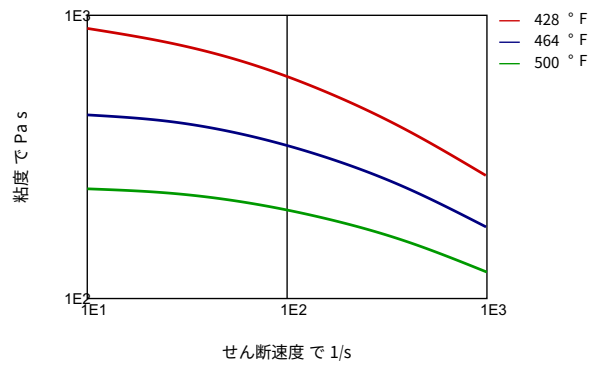
This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

Shelf Life:

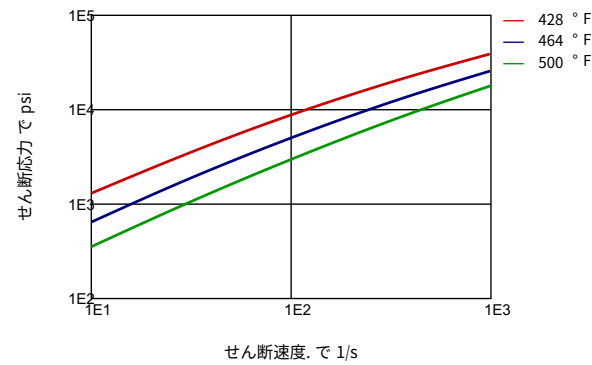
Two years from the delivery. For any use above this limit, please refer to our technical services.

機能

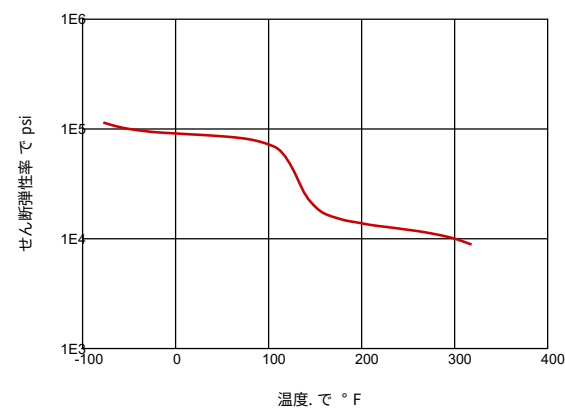
粘度せん断速度.



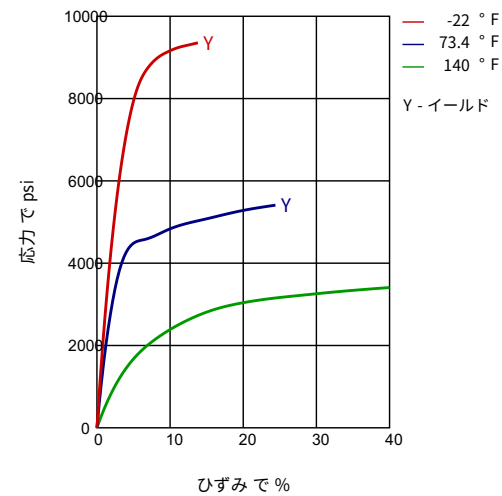
せん断応力-せん断速度.



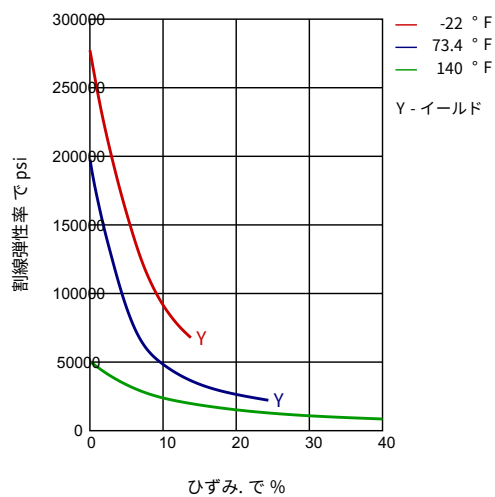
せん断弾性率-温度.



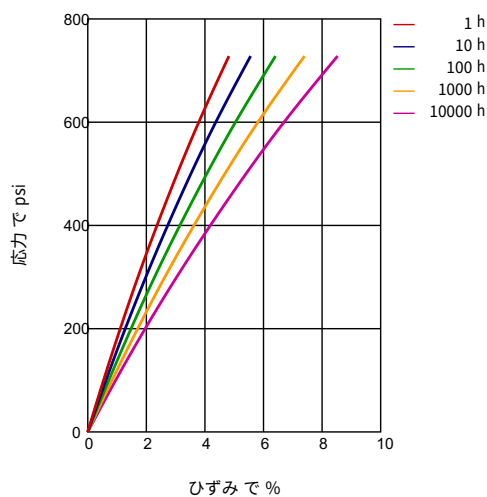
応力-ひずみ.



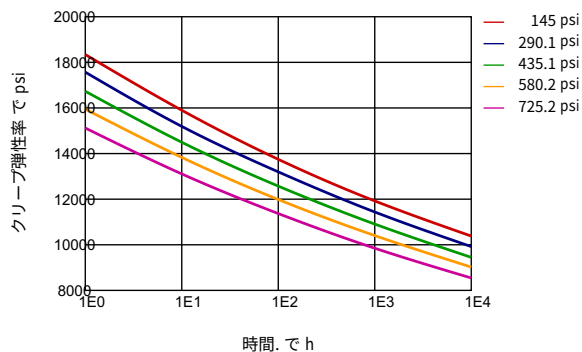
割線弾性率—ひずみ.



応力-ひずみ (等時的) 248°F



クリープ弾性率—時間. 248°F



Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 210°C / 230°C / 280°C.
- Mold temperature : 20 - 60°C
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 80-90°C.

RILSAN® BMNO TLD

成形加工法 射出成形	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 離型剤	
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	

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