RILSAN®
CLEAR G170

PA,,MT,C12-020
Rilsan® Clear G170 is a high performance transparent polyamide resin with outstanding thermal resistance. This grade has been designed for injection molding applications.

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	2 / *	cm³/10min	ISO 1133
温度	275 / *	°C	-
	527 / *	°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	1.1 / *	%	ISO 294-4, 2577
機械的特性			
引張弾性率	2100 / 2020	MPa	ISO 527-1/-2
	305000 / 293000	psi	
降伏応力	76 / 74	MPa	ISO 527-1/-2
	11000 / 10700	psi	
降伏ひずみ	8 / 9	%	ISO 527-1/-2
破壊呼びひずみ	>50 / >50	%	ISO 527-1/-2
ショア硬さD, 15 s	79 / *	-	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 / 未破壊	kJ/m²	ISO 179/1eU
ノッチ付きシャルピー衝撃強さ, +23°C	- / 13	kJ/m²	ISO 179/1eA
	- / 6.18	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, -30°C	- / 13	kJ/m²	ISO 179/1eA
	- / 6.18	ftlb/in²	
熱的特性			
ガラス転移点, 10°C/min	168 / *	°C	ISO 11357-1/-2
	334 / *	°F	
荷重たわみ温度, 1.80 MPa	136 / *	°C	ISO 75-1/-2
	277 / *	°F	
荷重たわみ温度, 0.45 MPa	150 / *	°C	ISO 75-1/-2
	302 / *	°F	
ビカット軟化温度, 50°C/h 50N	160 / *	°C	ISO 306
	320 / *	°F	

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線膨張係数, 平行	70 / *	E-6/K	ISO 11359-1/-2
1.5mm厚さでの燃焼性	V-2 / *	class	IEC 60695-11-10
試験片の厚さ	1.6 / *	mm	-
	0.0630 / *	in	
Yellow Card 可用	はい / *	-	-
酸素指数	26 / *	%	ISO 4589-1/-2
電気的特性.			
体積抵抗率	- / 1E11	Ohm*m	IEC 62631-3-1
表面抵抗率	* / 1E12	Ohm	IEC 62631-3-2
耐電圧	- / 50	kV/mm	IEC 60243-1
	- / 1270	kV/in	
耐トラッキング性	* / 600	-	IEC 60112
その他の特性.			
吸水率, 23°C, immersion, equilibrium	3.8 / *	%	ISO 62
吸湿率	1.7 / *	%	ISO 62
密度	1050 / 1050	kg/m³	ISO 1183
	1.05 / 1.05	g/cm³	
光学特性			
視感透過率	91	%	ISO 13468-1, -2

Main applications:

- Coffee machine, Fuel filter container, Inner layer of fiber optic, Copper telephone cables resistant to rodents, power cables resistant to rodents.
- Note: This grade is not recommended by Arkema for usage in medical applications. For such applications Rilsan® Clear G170 MED should be used.

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

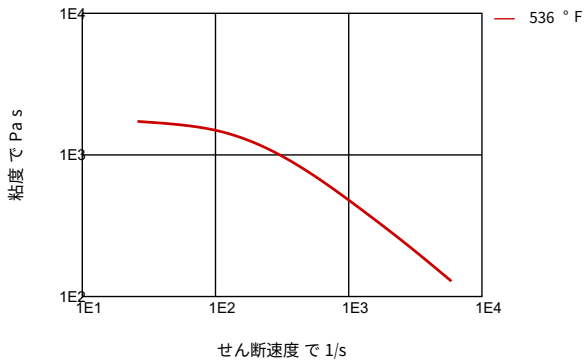
Shelf Life:
Two years from the delivery. For any use above this limit, please refer to our technical services.

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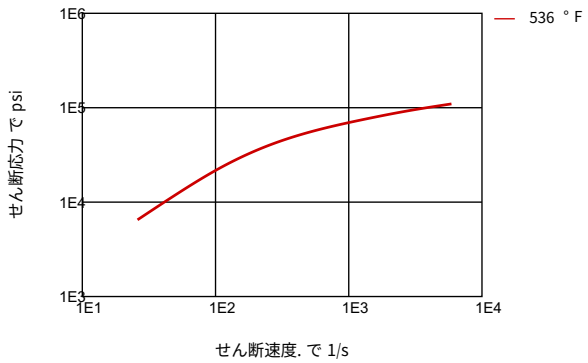
RILSAN®
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機能

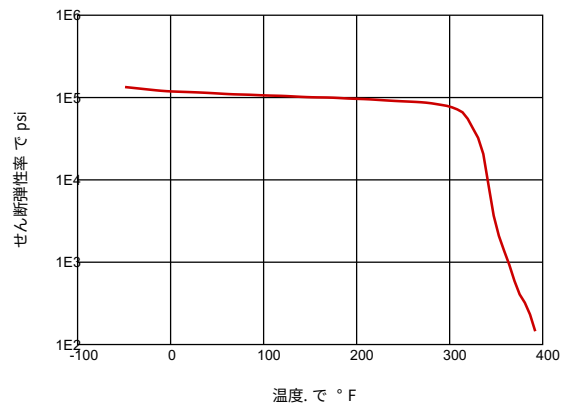
粘度せん断速度.



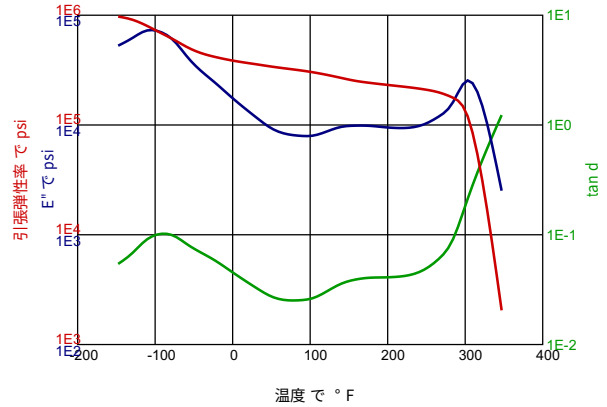
せん断応力-せん断速度.



せん断弾性率-温度.



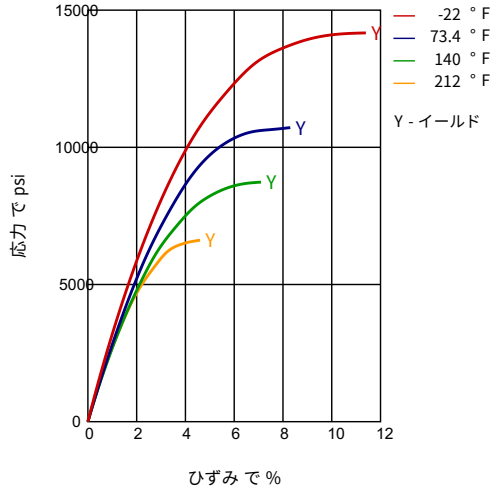
引張弾性率-温度.



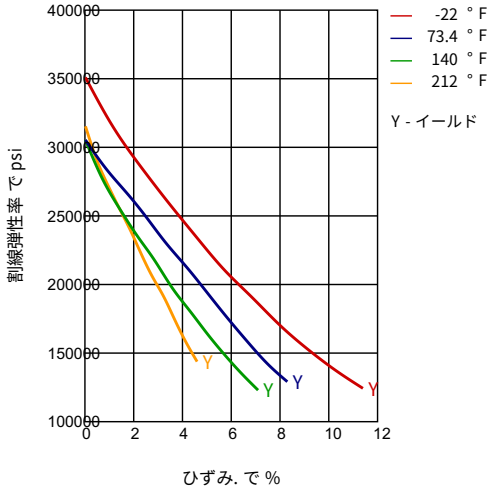
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応力-ひずみ.



割線弾性率ーひずみ.



Injection molding conditions:
- Typical melt temperature (Min / Recommended / Max) : 270°C / 290°C / 310°C.
- Typical mold temperature : 40 - 80 °C.
- Dyring time and temperature (only for bags opened for more than two hours): 4 - 6 hours at 90°C.

Extrusion conditions:
- Typical melt temperature (Min / Recommended / Max) : 270°C / 280°C / 290°C
- Dyring time and temperature (only for bags opened for more than two hours): 4 - 6 hours at 90°C

成形加工法

射出成形，その他の押出成形

納入形状

ペレット

特殊な特性

透明

領域別の利用可能性

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