

RILSAN®

HT CZM 30 BLACK TLD

PA11/10T,GF30,MHL,C16-090

Rilsan® HT CZM 30 BLACK TLD is a polyphthalamide produced from a renewable source. This grade is glass fiber-reinforced, formulated and designed for injection molding for high-temperature applications.

According to ASTM D6866, the biobased carbon content is measured at 68%.

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	15 / *	cm³/10min	ISO 1133
温度	300 / *	°C	-
	572 / *	°F	
荷重	2.16 / *	kg	-
	4.76 / *	lb	
成形収縮率, 平行	0.3 / *	%	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	8700 / -	MPa	ISO 527-1/-2
	1.26E6 / -	psi	
破壊応力	151 / -	MPa	ISO 527-1/-2
	21900 / -	psi	
破壊ひずみ	2.6 / -	%	ISO 527-1/-2
シャルピー衝撃強さ, +23°C	57 / -	kJ/m²	ISO 179/1eU
	27.1 / -	ftlb/in²	
シャルピー衝撃強さ, -30°C	54 / -	kJ/m²	ISO 179/1eU
	25.7 / -	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, +23°C	9.1 / -	kJ/m²	ISO 179/1eA
	4.33 / -	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, -30°C	7.4 / -	kJ/m²	ISO 179/1eA
	3.52 / -	ftlb/in²	
熱的特性			
溶融温度, 10°C/min	255 / *	°C	ISO 11357-1/-3
荷重たわみ温度, 1.80 MPa	220 / *	°C	ISO 75-1/-2
	428 / *	°F	
荷重たわみ温度, 0.45 MPa	240 / *	°C	ISO 75-1/-2
	464 / *	°F	

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Source: automatically generated TDS from Material Database on 20-02-2024

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その他の特性.

%Bio-Based	68	-	ASTM D6866
吸水率, 23°C, immersion, equilibrium	1.13 / *	%	ISO 62
吸湿率	0.22 / *	%	ISO 62
密度	1300 / 1300	kg/m³	ISO 1183
	1.3 / 1.3	g/cm³	

Main applications:

- Automotive & transportation quick connector for flexible fuels and powertrain applications
- High-temperature injection molding

Packaging:

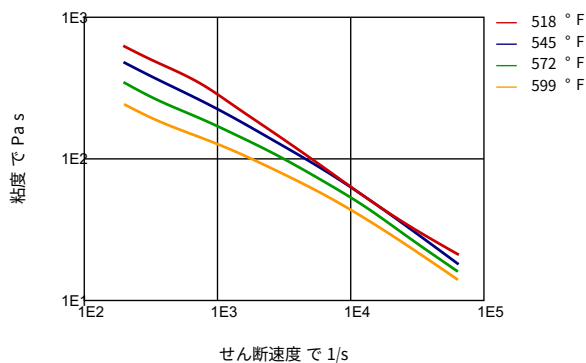
This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

Shelf Life:

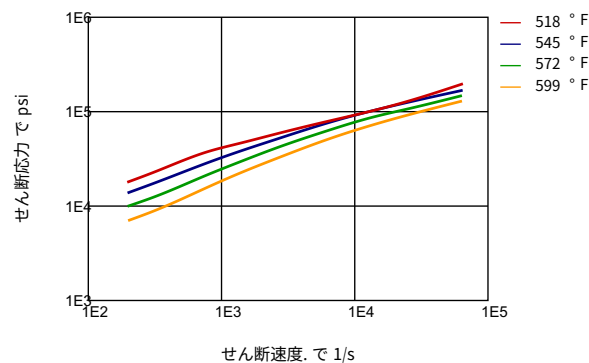
Two years from the delivery. For any use above this limit, please refer to our technical services.

機能

粘度せん断速度.

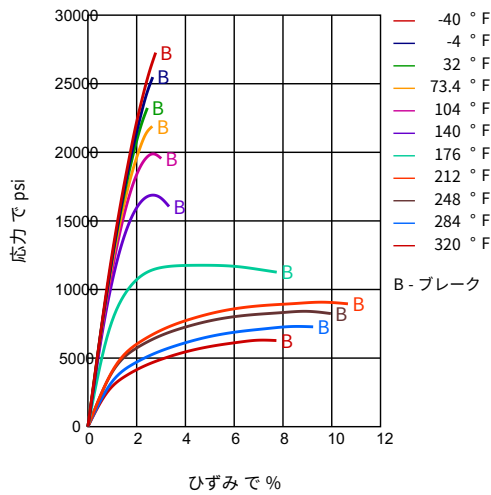


せん断応力-せん断速度.

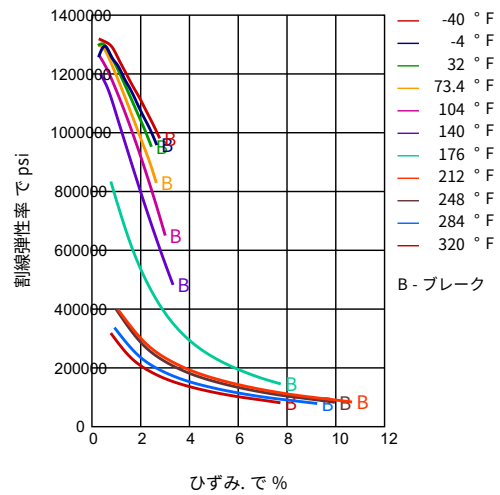


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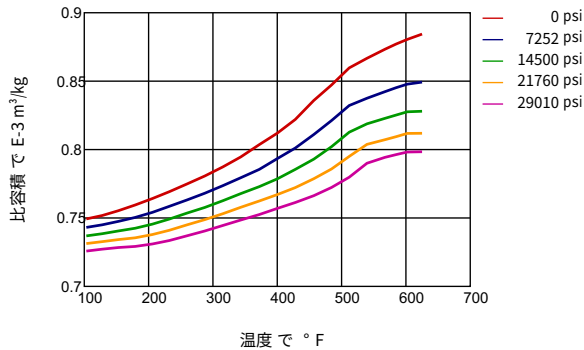
応力-ひずみ.



割線弾性率-ひずみ.



PVT



Injection molding process conditions :

- Typical melt temperature (Min / Recommended / Maxi) : 270°C / 280°C / 320°C.
- Typical mold temperature : 90 - 110°C.
- Drying time and temperature (only for bags opened for more than two hours) : 4 - 8 hours / 100 - 110°C.

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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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