

RILSAN®

HT CESV BLACK P010 TL

PA11/10T-I,,EHL,C16-010

Rilsan® HT CESV BLACK P010 TL is a flexible polyphthalamide produced from a renewable source, typical used to replace metal in tubing for high-temperature automotive, transportation and other demanding technical applications.

According to ASTM D6866, the biobased carbon content is measured at 48%.

特性	乾燥/調湿	単位	テスト基準
レオロジー特性			
メルトポリウムレイト	1.9 / *	cm ³ /10min	ISO 1133
温度	300 / *	°C	-
	572 / *	°F	
荷重	5 / *	kg	-
	11 / *	lb	
機械的特性			
引張弾性率	- / 1015	MPa	ISO 527-1/-2
	- / 147000	psi	
降伏応力	- / 30	MPa	ISO 527-1/-2
	- / 4350	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	66 / *	-	ISO 868
シャルピー衝撃強さ, +23°C	- / 未破壊	kJ/m ²	ISO 179/1eU
シャルピー衝撃強さ, -30°C	- / 未破壊	kJ/m ²	ISO 179/1eU
ノッチ付きシャルピー衝撃強さ, +23°C	- / 84	kJ/m ²	ISO 179/1eA
	- / 40	ftlb/in ²	
ノッチ付きシャルピー衝撃強さ, -30°C	- / 16	kJ/m ²	ISO 179/1eA
	- / 7.61	ftlb/in ²	
熱的特性			
溶融温度, 10°C/min	260 / *	°C	ISO 11357-1/-3
ガラス転移点, 10°C/min	82 / *	°C	ISO 11357-1/-2
	180 / *	°F	
荷重たわみ温度, 1.80 MPa	66 / *	°C	ISO 75-1/-2
	151 / *	°F	
荷重たわみ温度, 0.45 MPa	82 / *	°C	ISO 75-1/-2
	180 / *	°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	48	-	ASTM D6866
密度	1050 / -	kg/m ³	ISO 1183
	1.05 / -	g/cm ³	

Main applications:

- Thermoplastic lines for automotive & transportation applications such as high temperature air/vacuum
- aggressive media and oil management systems
- cooling and selective catalyst reduction lines etc
- Hydraulic and pneumatic lines

Packaging:

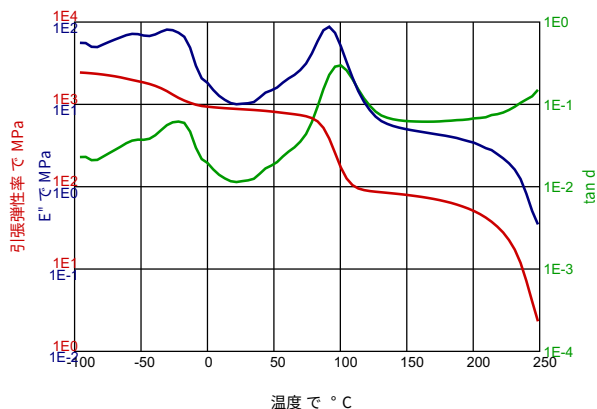
This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

Shelf Life:

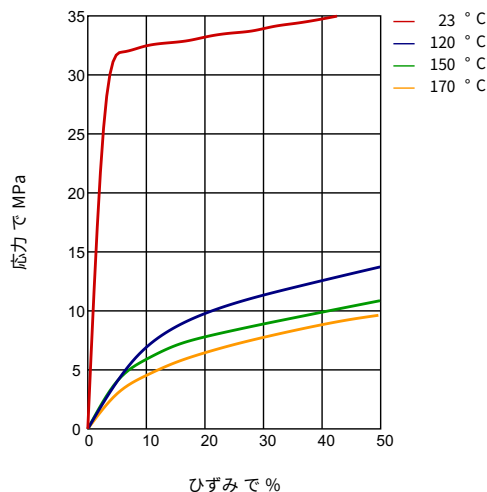
Two years from the delivery. For any use above this limit, please refer to our technical services.

機能

引張弾性率-温度.



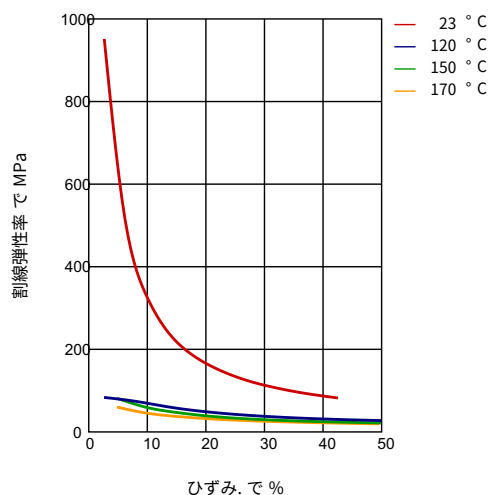
応力-ひずみ.



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割線弾性率—ひずみ.



Processing conditions :

- Typical melt temperature (Min / Recommended / Max) : 270°C / 280°C / 290°C.
- Drying time and temperature (only for bags opened for more than two hours) : 8 - 12 hours at 70 °C.

成形加工法 異形押出成形, 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	
特殊な特性 バイオベース, 熱安定化, 光安定化	Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
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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