

RILSAN® HT CSR13

PA11/10T,CF13,MHL, C16-080

Rilsan® HT CSR 13 is a flexible polyphthalamide produced from a renewable source. This grade is fiber reinforced formulated for high-temperature applications requiring static charge dissipation and designed for injection molding.

According to ASTM D6866, the biobased carbon content is measured at 52%.

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	12 / *	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	0.3 / *	%	ISO 294-4, 2577
成形収縮率, 直角	0.6 / *	%	ISO 294-4, 2577
機械的特性			
引張弾性率	- / 7600	MPa	ISO 527-1/-2
	- / 1.1E6	psi	
破壊応力	- / 151	MPa	ISO 527-1/-2
	- / 21900	psi	
破壊ひずみ	- / 2	%	ISO 527-1/-2
シャルピー衝撃強さ, +23°C	- / 40	kJ/m²	ISO 179/1eU
	- / 19	ftlb/in²	
シャルピー衝撃強さ, -30°C	- / 32	kJ/m²	ISO 179/1eU
	- / 15.2	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, +23°C	- / 5	kJ/m²	ISO 179/1eA
	- / 2.38	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, -30°C	- / 4	kJ/m²	ISO 179/1eA
	- / 1.9	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	195 / *	°C	ISO 75-1/-2
	383 / *	°F	
荷重たわみ温度, 0.45 MPa	235 / *	°C	ISO 75-1/-2
	455 / *	°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	52	-	ASTM D6866
密度	1150 / 1150	kg/m³	ISO 1183
	1.15 / 1.15	g/cm³	

Main applications:

- Conductive automotive & transportation quick connector

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.

Processing conditions :

- Typical melt temperature (Min / Recommended / Maxi) : 270°C / 280°C / 320°C.
- Typical mold temperature : 80 - 110°C.
- Drying time and temperature (only for bags opened for more than two hours) : 4 - 8 hours / 100 - 110°C.

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
納入形状 ペレット	
特殊な特性 バイオベース, 導電	Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com

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