RILSAN®
BESN BLACK P210 TL

PA11-HIP, EHL, 22-007
Rilsan® BESN BLACK P210 TL resin is a polyamide 11 produced from a renewable source. This black grade is plasticized and designed for extrusion.

Rilsan® BESN BLACK P210 TL resin falls into the PA11-PHLY category according to DIN 73378 and fulfills all specifications according to DIN 74324, ISO 7628, NFR 12632, and SAEJ844.

The biobased carbon content of Rilsan® BESN BLACK P210 TL resin is measured at 89% according to ASTM D6866.

特性	乾燥/調湿	単位	テスト基準
機械的特性			
引張弾性率	- / 600	MPa	ISO 527-1/-2
	- / 87000	psi	
降伏応力	- / 32	MPa	ISO 527-1/-2
	- / 4640	psi	
降伏ひずみ	- / 31	%	ISO 527-1/-2
破壊呼びひずみ	- / >50	%	ISO 527-1/-2
シャルピー衝撃強さ, +23°C	未破壊 / 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	- / 76	kJ/m²	ISO 179/1eA
	- / 36.2	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, -30°C	- / 10	kJ/m²	ISO 179/1eA
	- / 4.76	ftlb/in²	
熱的特性			
溶融温度, 10°C/min	184 / *	°C	ISO 11357-1/-3
荷重たわみ温度, 1.80 MPa	45 / *	°C	ISO 75-1/-2
	113 / *	°F	
荷重たわみ温度, 0.45 MPa	110 / *	°C	ISO 75-1/-2
	230 / *	°F	
その他の特性.			
%Bio-Based	89	-	ASTM D6866
密度	1030 / 1030	kg/m³	ISO 1183
	1.03 / 1.03	g/cm³	

Main applications:
- Fluid transportation
- Tubing for use in motor vehicle

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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Processing conditions:
- Typical melt temperature (Min / Recommended / Max) : 230°C / 250°C / 280°C.

- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-8 hours at 80-90°C.

成形加工法

異形押出成形，その他の押出成形

納入形状

ペレット

添加剤

滑剤，可塑剤

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

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