

# RILSAN®

## BESN BLACK P20 TL

PA11-P,E HL, 22-005

Rilsan® BESN BLACK P20 TL resin is a polyamide 11 produced from a renewable source. This black grade is plasticized and designed for extrusion.

特性	乾燥/調湿	単位	テスト基準
機械的特性			
引張弾性率	- / 560	MPa	ISO 527-1/-2
	- / 81200	psi	
降伏応力	- / 32	MPa	ISO 527-1/-2
	- / 4640	psi	
降伏ひずみ	- / 33	%	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℃	- / 未破壊	kJ/m <sup>2</sup>	ISO 179/1eU
シャルピー衝撃強さ, -30℃	- / 未破壊	kJ/m <sup>2</sup>	ISO 179/1eU
ノッチ付きシャルピー衝撃強さ, +23℃	- / 70	kJ/m <sup>2</sup>	ISO 179/1eA
	- / 33.3	ftlb/in <sup>2</sup>	
ノッチ付きシャルピー衝撃強さ, -30℃	- / 10	kJ/m <sup>2</sup>	ISO 179/1eA
	- / 4.76	ftlb/in <sup>2</sup>	
熱的特性			
溶融温度, 10℃/min	182 / *	℃	ISO 11357-1/-3
荷重たわみ温度, 1.80 MPa	47 / *	℃	ISO 75-1/-2
	117 / *	°F	
荷重たわみ温度, 0.45 MPa	135 / *	℃	ISO 75-1/-2
	275 / *	°F	
その他の特性.			
吸水率, 23℃, immersion, equilibrium	1.8 / *	%	ISO 62
密度	1040 / 1040	kg/m <sup>3</sup>	ISO 1183
	1.04 / 1.04	g/cm <sup>3</sup>	

Main applications:

- Fluid transportation
- Tubing for use in motor vehicle

Packaging:

This grade is delivered dried in sealed packaging (25 kg bags / 550 kg rigid containers) 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 / Max) : 230°C / 250°C / 280°C.

- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 80-90°C.

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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 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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