

RILSAMID®

AESN BLACK P302 TL

ISO 16396 - PA12-HIP, EGHL, C22-004

Rilsamid® AESN BLACK P302 TL resin is a black colored polyamide 12.
This grade is plasticized and designed for tube extrusion.

Rilsamid® AESN BLACK P302 TL resin falls into the PA12-HIPHL category according to DIN 73378.

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	18 / *	cm³/10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	
荷重	5 / *	kg	-
	11 / *	lb	
機械的特性			
引張弾性率	- / 400	MPa	ISO 527-1/-2
	- / 58000	psi	
降伏応力	- / 25	MPa	ISO 527-1/-2
	- / 3630	psi	
降伏ひずみ	- / 26	%	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	kJ/m²	ISO 179/1eU
シャルピー衝撃強さ, -30°C	- / 未破壊	kJ/m²	ISO 179/1eU
ノッチ付きシャルピー衝撃強さ, +23°C	- / 未破壊	kJ/m²	ISO 179/1eA
ノッチ付きシャルピー衝撃強さ, -30°C	- / 6	kJ/m²	ISO 179/1eA
	- / 2.85	ftlb/in²	
熱的特性			
熔融温度, 10°C/min	172 / *	°C	ISO 11357-1/-3
その他の特性.			
密度	1030 / 1030	kg/m³	ISO 1183
	1.03 / 1.03	g/cm³	

Main applications:
Air brake.
Tubing for use in motor vehicles

Packaging:
This grade is delivered dried in sealed packaging (25 kg bags / 550 kg rigid containers) ready to be processed.

Shelf life:

Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790 SDC/11-2018
Source: automatically generated TDS from Material Database on 20-02-2024

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

Processing conditions for extrusion :

- Typical melt temperature (Min / Recommended / Max) : 200°C / 220°C / 240°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 80°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 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 滑剤, 可塑剤	
特殊な特性 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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