

RILSAMID®

AESN BLACK P110 TL

ISO 16396 - PA12-HI, EGHL, C24-010

Rilsamid® AESN BLACK P110 TL resin is a semi-rigid polyamide with improved hydrolysis and impact resistance. This black colored grade is designed for tube extrusion.

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	0.4 / *	cm³/10min	ISO 1133
温度	275 / *	°C	-
	527 / *	°F	-
荷重	5 / *	kg	-
	11 / *	lb	-
機械的特性			
引張弾性率	- / 1120	MPa	ISO 527-1/-2
	- / 162000	psi	
降伏応力	- / 32	MPa	ISO 527-1/-2
	- / 4640	psi	
降伏ひずみ	- / 13	%	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	- / 75	kJ/m²	ISO 179/1eA
	- / 35.7	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, -30°C	- / 18	kJ/m²	ISO 179/1eA
	- / 8.56	ftlb/in²	
熱的特性			
溶融温度, 10°C/min	176 / *	°C	ISO 11357-1/-3
その他の特性			
密度	1000 / 1000	kg/m³	ISO 1183
	1 / 1	g/cm³	

Main applications:

- Fuel line
- Tubing for use in motor vehicles

Packaging:

This material is delivered in sealed packaging (800 kg rigid containers) ready to be processed.

Shelf life:

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

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Source: automatically generated TDS from Material Database on 20-02-2024

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Processing conditions for extrusion :

- Typical melt temperature (Min / Recommended / Max) : 260°C / 270°C / 280°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	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
異形押出成形, その他の押出成形, ブロー成形	
納入形状	
ペレット	
添加剤	
滑剤	
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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