RILSAMID®
AZM 30 O TLD

ISO 16396 - PA12 , GF30, M1GHLR, C16-070
Rilsamid® AZM 30 O TLD resin is a fiberglass reinforced polyamide. This natural grade is designed for injection moulding.

This grade is also available in green (Rilsamid® AZM 30 Green 56827 TLD resin) and grey (Rilsamid® AZM 30 Grey 632 TLD resin).

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	235 / *	°C	-
	455 / *	°F	
荷重	5 / *	kg	-
	11 / *	lb	
メルトフローレイト	≥ 12.8	g/10min	ASTM D1238
機械的特性			
引張弾性率	6900 / 6500	MPa	ISO 527-1/-2
	1E6 / 943000	psi	
降伏応力	127 / 115	MPa	ISO 527-1/-2
	18400 / 16700	psi	
降伏ひずみ	4 / 4	%	ISO 527-1/-2
破壊応力	122 / 110	MPa	ISO 527-1/-2
	17700 / 16000	psi	
破壊ひずみ	5 / 6	%	ISO 527-1/-2
シャルピー衝撃強さ, +23°C	85 / 88	kJ/m²	ISO 179/1eU
	40.4 / 41.9	ftlb/in²	
シャルピー衝撃強さ, -30°C	96 / 93	kJ/m²	ISO 179/1eU
	45.7 / 44.2	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, +23°C	23 / 22	kJ/m²	ISO 179/1eA
	10.9 / 10.5	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, -30°C	15 / 16	kJ/m²	ISO 179/1eA
	7.14 / 7.61	ftlb/in²	
熱的特性			
溶融温度, 10°C/min	179 / *	°C	ISO 11357-1/-3
荷重たわみ温度, 1.80 MPa	160 / *	°C	ISO 75-1/-2
	320 / *	°F	

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荷重たわみ温度, 0.45 MPa	175 / *	°C	ISO 75-1/-2
	347 / *	°F	
ビカット軟化温度, 50°C/h 50N	165 / *	°C	ISO 306
	329 / *	°F	
線膨張係数, 平行	50 / *	E-6/K	ISO 11359-1/-2
空気中の熱分解	224	°C	1% wt. loss
	436	°F	
窒素中での熱分解	222	°C	1% wt. loss
	431	°F	
電気的特性.			
比誘電率, 100Hz	4 / -	-	IEC 60250
比誘電率, 1MHz	4 / -	-	IEC 60250
誘電正接, 100Hz	752 / -	E-4	IEC 60250
誘電正接, 1MHz	251 / -	E-4	IEC 60250
体積抵抗率	- / 1E11	Ohm*m	IEC 62631-3-1
表面抵抗率	* / 1E14	Ohm	IEC 62631-3-2
耐電圧	- / 45	kV/mm	IEC 60243-1
	- / 1140	kV/in	
耐トラッキング性	* / 600	-	IEC 60112
その他の特性.			
吸水率, 23°C, immersion, equilibrium	1.2 / *	%	ISO 62
吸湿率	0.6 / *	%	ISO 62
密度	1230 / 1230	kg/m³	ISO 1183
	1.23 / 1.23	g/cm³	

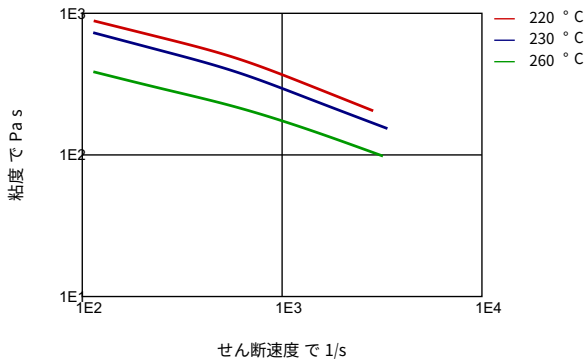
Packaging:
This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed
Shelf life:
Two years from the delivery.
For any use above this limit please refer to our technical services.

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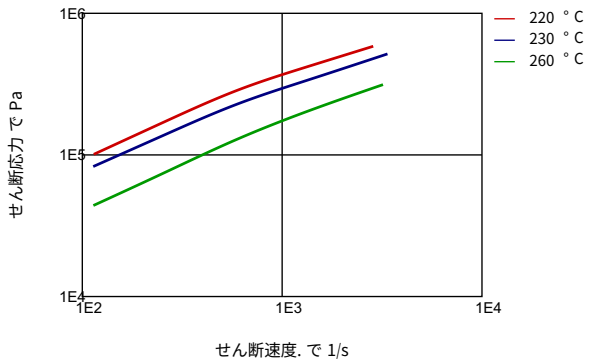
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機能

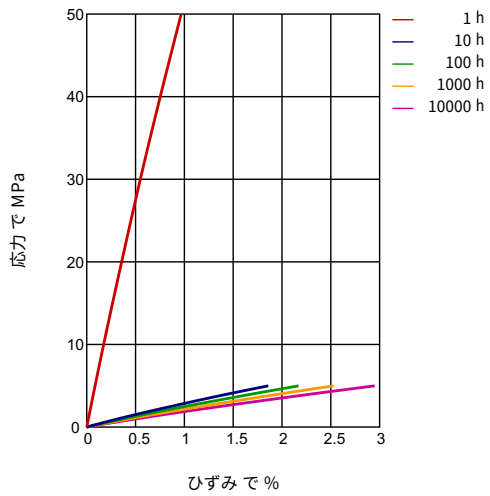
粘度せん断速度.



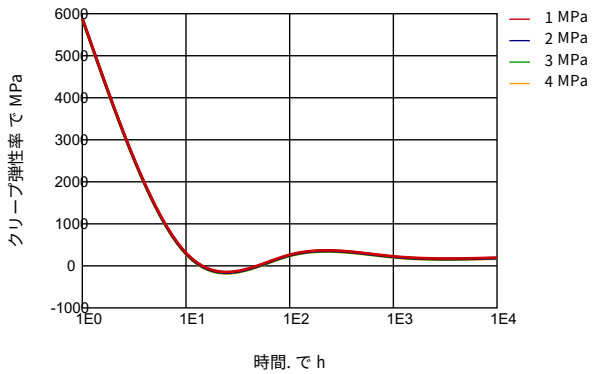
せん断応力-せん断速度.



応力-ひずみ (等時的) 73°F



クリープ弾性率—時間. 73°F



Processing conditions:
- Typical melt temperature (Min / Recommended / Max) : 250°C / 265°C / 280°C.
- Typical mold temperature : 40 – 90°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-8 hours at 80-90°C.

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成形加工法

射出成形

納入形状

ペレット

添加剤

離型剤

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.，
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