RILSAMID®
AZM 23 BLACK T6LD

ISO 16396 - PA12, GF23, M1GHLR, 16-060

Rilsamid® AZM 23 BLACK T6LD resin is a fiberglass reinforced polyamide.
This black colored grade is designed for injection moulding.

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	13 / *	cm³/10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	
荷重	5 / *	kg	-
	11 / *	lb	
成形収縮率, 平行	0.2 / *	%	ISO 294-4, 2577
成形収縮率, 直角	0.4 / *	%	ISO 294-4, 2577
機械的特性			
引張弾性率	5500 / 5070	MPa	ISO 527-1/-2
	798000 / 735000	psi	
降伏応力	101 / 105	MPa	ISO 527-1/-2
	14600 / 15200	psi	
降伏ひずみ	3 / 3.5	%	ISO 527-1/-2
破壊呼びひずみ	5 / 5.2	%	ISO 527-1/-2
破壊応力	95 / 100	MPa	ISO 527-1/-2
	13800 / 14500	psi	
シャルピー衝撃強さ, +23°C	66 / 77	kJ/m²	ISO 179/1eU
	31.4 / 36.6	ftlb/in²	
シャルピー衝撃強さ, -30°C	66 / 83	kJ/m²	ISO 179/1eU
	31.4 / 39.5	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, +23°C	15 / 19	kJ/m²	ISO 179/1eA
	7.14 / 9.04	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, -30°C	8 / 12	kJ/m²	ISO 179/1eA
	3.81 / 5.71	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	165 / *	°C	ISO 75-1/-2
	329 / *	°F	

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荷重たわみ温度, 0.45 MPa	173 / *	°C	ISO 75-1/-2
	343 / *	°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	60 / *	E-6/K	ISO 11359-1/-2
空気中の熱分解	222	°C	1% wt. loss
	432	°F	
窒素中での熱分解	223	°C	1% wt. loss
	433	°F	
電気的特性.			
比誘電率, 100Hz	5 / -	-	IEC 60250
比誘電率, 1MHz	5 / -	-	IEC 60250
誘電正接, 100Hz	1170 / -	E-4	IEC 60250
誘電正接, 1MHz	364 / -	E-4	IEC 60250
その他の特性.			
吸水率, 23°C, immersion, equilibrium	1.3 / *	%	ISO 62
吸湿率	0.5 / *	%	ISO 62
密度	1180 / 1170	kg/m³	ISO 1183
	1.18 / 1.17	g/cm³	

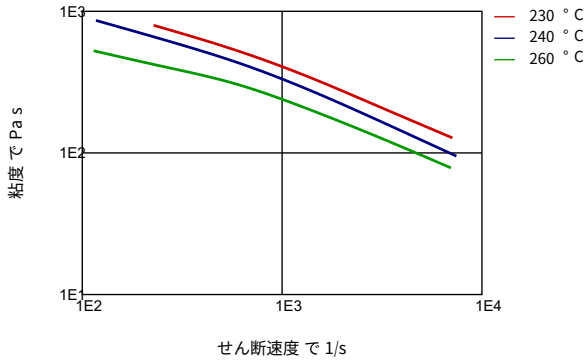
Packaging:
This grade is delivered dried in sealed packaging (25 kg bags / 450 kg rigid containers) ready to be processed
Shelf life:
Two years from the delivery.
For any use above this limit please refer to our technical services.

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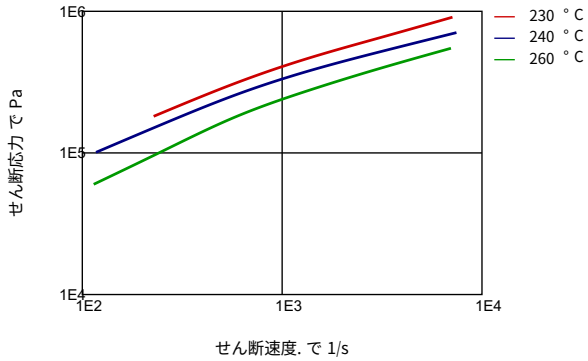
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機能

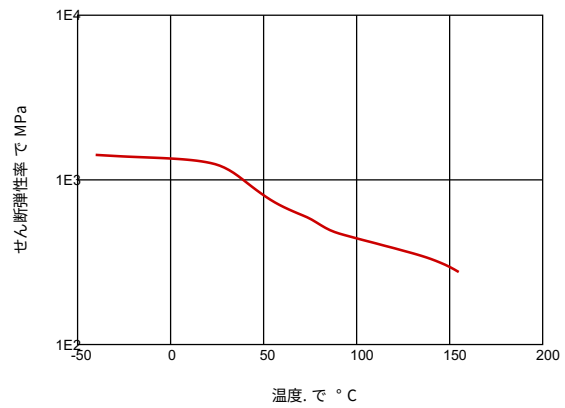
粘度せん断速度.



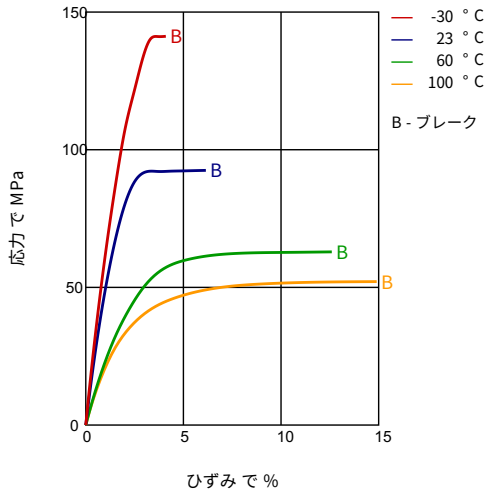
せん断応力-せん断速度.



せん断弾性率-温度.



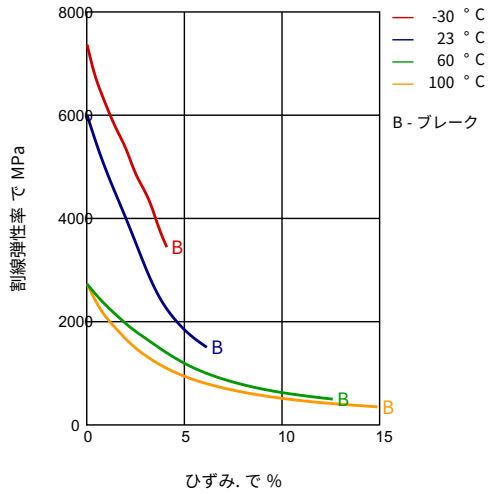
応力-ひずみ.



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割線弾性率ーひずみ.



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.

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.,
南・中央アメリカ., 近東/アフリカ

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