

RILSAMID®

AZM 23 BLACK T6LD

PA12, MHLR, 16-060, GF23

Rilsamid® AZM 23 BLACK T6LD 수지 는 유리섬유 강화 폴리아미드입니다. 이 블랙 등급은 사출 성형용으로 설계되었습니다.

물성들이	건조/응축	단위	시험규격
유변학적 특성			
응용 부피 - 흐름 속도	13 / *	cm³/10min	ISO 1133
온도	235 / *	°C	-
	455 / *	°F	
하중	5 / *	kg	-
	11 / *	lb	
성형 수축률, 평행	0.2 / *	%	ISO 294-4, 2577
성형 수축률, 수직	0.4 / *	%	ISO 294-4, 2577
기계적 특성			
인장탄성률	5500 / 5070	MPa	ISO 527-1/-2
	798000 / 735000	psi	
항복강도	101 / 105	MPa	ISO 527-1/-2
	14600 / 15200	psi	
항복변형률	3 / 3.5	%	ISO 527-1/-2
파단시 평균신율	5 / 5.2	%	ISO 527-1/-2
파단시 강도	95 / 100	MPa	ISO 527-1/-2
	13800 / 14500	psi	
차피 충격 강도, +23°C	66 / 77	kJ/m²	ISO 179/1eU
	31.4 / 36.6	ftlb/in²	
차피 충격 강도, -30°C	66 / 83	kJ/m²	ISO 179/1eU
	31.4 / 39.5	ftlb/in²	
차피 노치드 충격 강도, +23°C	15 / 19	kJ/m²	ISO 179/1eA
	7.14 / 9.04	ftlb/in²	
차피 노치드 충격 강도, -30°C	8 / 12	kJ/m²	ISO 179/1eA
	3.81 / 5.71	ftlb/in²	
열적 특성			
녹는점, 10°C/min	179 / *	°C	ISO 11357-1/-3
하중하에서의 변형온도, 1.80 MPa	165 / *	°C	ISO 75-1/-2
	329 / *	°F	
하중하에서의 변형온도, 0.45 MPa	173 / *	°C	ISO 75-1/-2
	343 / *	°F	
비카트 연화 온도, 50°C/h 50N	165 / *	°C	ISO 306
	329 / *	°F	

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

RILSAMID[®]

AZM 23 BLACK T6LD

선형 열팽창 계수, 평행	60 / *	E-6/K	ISO 11359-1/-2
공기 중 열분해	222	°C	1% wt. loss
	432	°F	
질소에서 열분해	223	°C	1% wt. loss
	433	°F	
전기적 특성			
상대 유전율, 100Hz	5 / -	-	IEC 60250
상대 유전율, 1MHz	5 / -	-	IEC 60250
소산 인자, 100Hz	1170 / -	E-4	IEC 60250
소산 인자, 1MHz	364 / -	E-4	IEC 60250
기타 특성			
물에서의 흡수성, 23°C, immersion, equilibrium	1.3 / *	%	ISO 62
조건에서의 흡습성	0.5 / *	%	ISO 62
밀도	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.

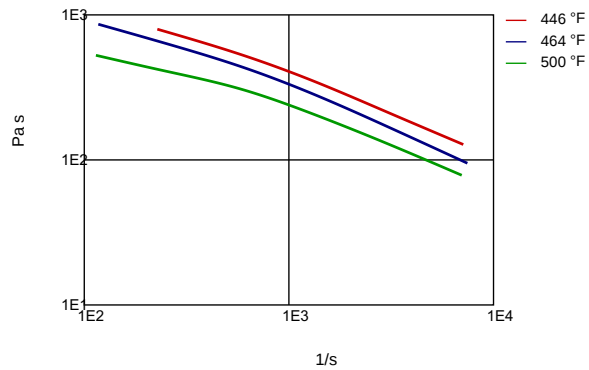
For any use above this limit please refer to our technical services.

RILSAMID[®]

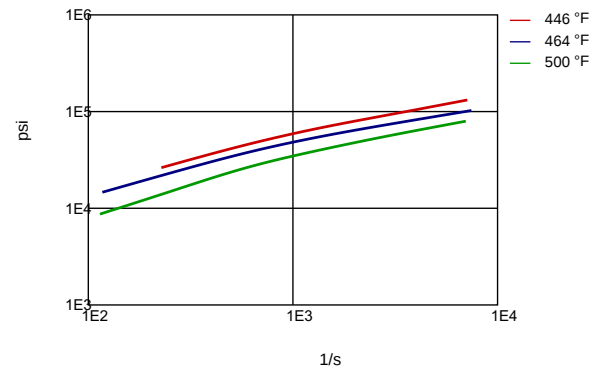
AZM 23 BLACK T6LD

도표

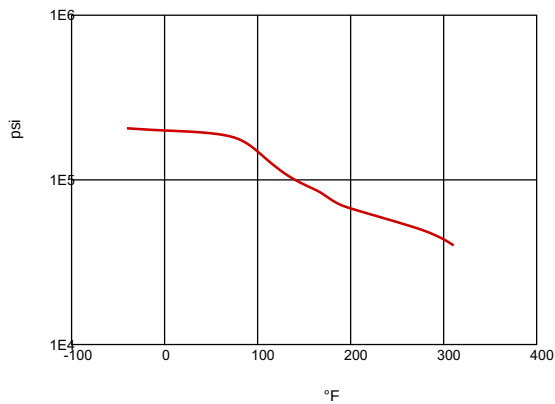
점도-변형률



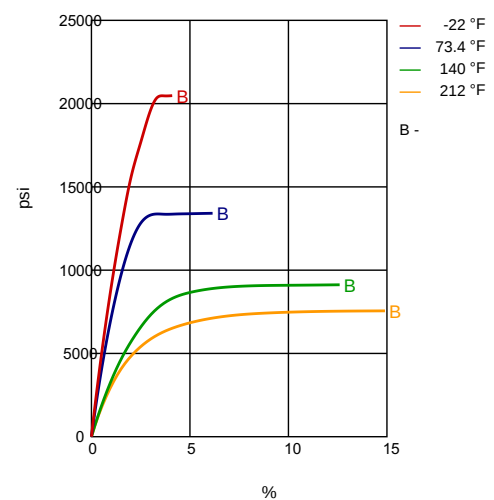
전단-변형률



동전단탄성률-온도



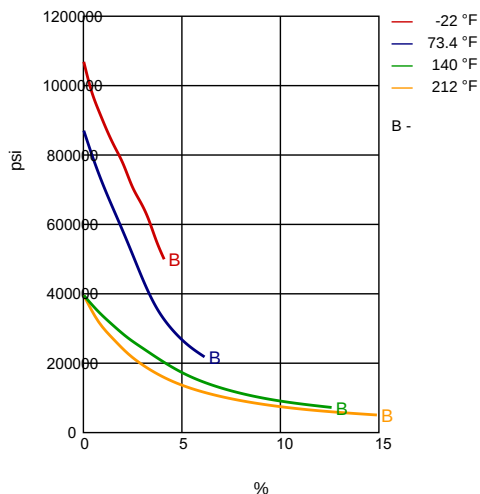
응력-신율



RILSAMID®

AZM 23 BLACK T6LD

시컨트탄성율-신율



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.

생산 공정 사출 성형	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
인도 유형 펠렛 (입자,알갱이)	
부가물 이형제	
특별 특성 열안정성, 가시광선 안정성	
지역별 검색 북아메리카 , 유럽 , 아시아 태평양 지역, 남부 및 중앙 아메리카 , 동양 및 아프리카 근역	

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

RILSAMID[®]

AZM 23 BLACK T6LD

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.