

RILSAMID®

AZM 30 O TLD

PA12, MHLR, 14-070, GF 30

Rilsamid® AZM 30 O TLD 수지 는 유리섬유 강화 폴리아미드입니다. 이 천연 등급은 사출 성형용으로 설계되었습니다. 이 등급은 또한 그린(Rilsamid® AZM 30 Green 56827 TLD 수지) 및 그레이(Rilsamid® AZM 30 Grey 632 TLD 수지)로도 제공됩니다.

(규격 ISO 19396-1/2015)

물성들이	건조/응축	단위	시험규격
유변학적 특성			
용융 부피 - 흐름 속도	12 / *	cm³/10min	ISO 1133
온도	235 / *	°C	-
	455 / *	°F	
하중	5 / *	kg	-
	11 / *	lb	
용융 흐름성	≥ 12.8	g/10min	ASTM D1238
기계적 특성			
인장탄성률	6900 / 6500	MPa	ISO 527-1/-2
	1E6 / 943000	psi	
항복강도	127 / 115	MPa	ISO 527-1/-2
	18400 / 16700	psi	
항복변형률	4 / 4	%	ISO 527-1/-2
파단시 강도	122 / 110	MPa	ISO 527-1/-2
	17700 / 16000	psi	
파단시 신율	5 / 6	%	ISO 527-1/-2
차피 충격 강도, +23°C	85 / 88	kJ/m²	ISO 179/1eU
	40.4 / 41.9	ftlb/in²	
차피 충격 강도, -30°C	96 / 93	kJ/m²	ISO 179/1eU
	45.7 / 44.2	ftlb/in²	
차피 노치드 충격 강도, +23°C	23 / 22	kJ/m²	ISO 179/1eA
	10.9 / 10.5	ftlb/in²	
차피 노치드 충격 강도, -30°C	15 / 16	kJ/m²	ISO 179/1eA
	7.14 / 7.61	ftlb/in²	
열적 특성			
녹는점, 10°C/min	179 / *	°C	ISO 11357-1/-3
하중하에서의 변형온도, 1.80 MPa	160 / *	°C	ISO 75-1/-2
	320 / *	°F	

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

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하중하에서의 변형온도, 0.45 MPa	175 / *	°C	ISO 75-1/-2
	347 / *	°F	
비카트 연화 온도, 50°C/h 50N	165 / *	°C	ISO 306
	329 / *	°F	
선형 열팽창 계수, 평행	50 / *	E-6/K	ISO 11359-1/-2
공기 중 열분해	224	°C	1% wt. loss
	436	°F	
질소에서 열분해	222	°C	1% wt. loss
	431	°F	
전기적 특성			
상대 유전율, 100Hz	4 / -	-	IEC 60250
상대 유전율, 1MHz	4 / -	-	IEC 60250
소산 인자, 100Hz	752 / -	E-4	IEC 60250
소산 인자, 1MHz	251 / -	E-4	IEC 60250
부피 저항	- / 1E11	Ohm* m	IEC 62631-3-1
표면 저항	* / 1E14	Ohm	IEC 62631-3-2
전기 압력	- / 45	kV/m	IEC 60243-1
	- / 1140	kV/in	
CTI	* / 600	-	IEC 60112
기타 특성			
물에서의 흡수성, 23°C, immersion, equilibrium	1.2 / *	%	ISO 62
조건에서의 흡습성	0.6 / *	%	ISO 62
밀도	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.

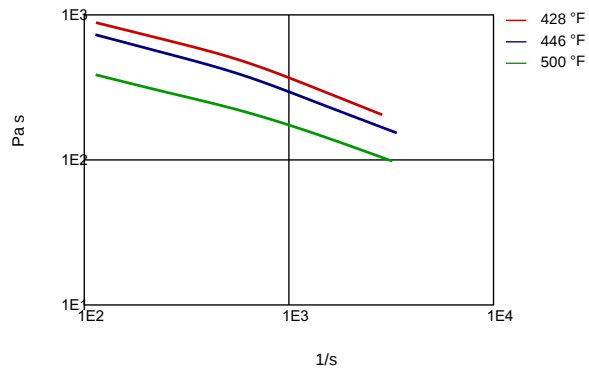
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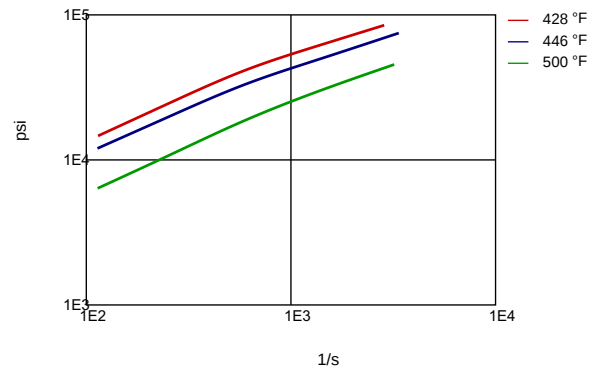
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도표

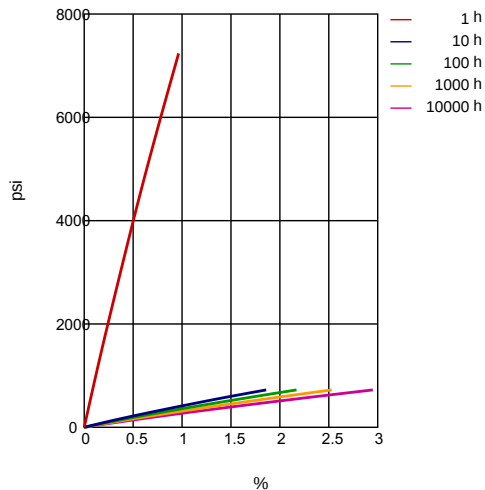
점도-변형률



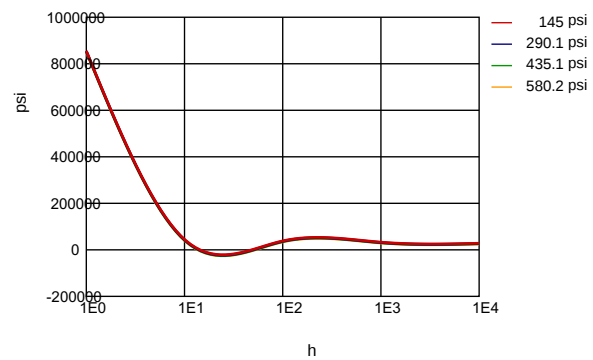
전단-변형률



응력-신율(등시) 73°F



크립 탄성을-시간 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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지역별 검색 북아메리카 , 유럽 , 아시아 태평양 지역, 남부 및 중앙 아메리카 , 동양 및 아프리카 근역	

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