

PEBAX[®]

7033 SP 01

Polyether block amide Pebax[®] 7033 SP 01 resin is a thermoplastic elastomer made of flexible polyether and rigid polyamide. This SP grade has been developed to be heat and UV resistant.

The UL grade has been developed to be heat and UV resistant.

特性	乾燥/調湿	単位	テスト基準
レオロジー特性			
成形収縮率, 平行	1.2 / *	%	ISO 294-4, 2577
成形収縮率, 直角	1.5 / *	%	ISO 294-4, 2577
機械的特性			
引張弾性率	414 / 384	MPa	ISO 527-1/-2
	60000 / 55700	psi	
降伏応力	23 / 22	MPa	ISO 527-1/-2
	3340 / 3190	psi	
降伏ひずみ	22 / 20	%	ISO 527-1/-2
破壊呼びひずみ	>50 / >50	%	ISO 527-1/-2
伸び率10%時の応力	22 / *	MPa	ISO 527-1/-2
	3190 / *	psi	
伸び率100%時の応力	21 / *	MPa	ISO 527-1/-2
	3050 / *	psi	
破壊ひずみ TPE	>300 / *	%	ISO 527-1/-2
破壊応力 TPE	54 / *	MPa	ISO 527-1/-2
	7830 / *	psi	
引裂強さ	149 / *	kN/m	ISO 34-1
ショア硬さD, 15 s	61 / *	-	ISO 868
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	- / 120	kJ/m²	ISO 179/1eA
	- / 57.1	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, -30°C	- / 20	kJ/m²	ISO 179/1eA
	- / 9.51	ftlb/in²	
熱的特性			
溶融温度, 10°C/min	172 / *	°C	ISO 11357-1/-3
荷重たわみ温度, 0.45 MPa	99 / *	°C	ISO 75-1/-2
	210 / *	°F	
ピカット軟化温度, 50°C/h 50N	106 / *	°C	ISO 306
	223 / *	°F	
線膨張係数, 平行	160 / *	E-6/K	ISO 11359-1/-2
電気的特性.			

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

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表面抵抗率	* / 4E13	Ohm	IEC 62631-3-2
耐トラッキング性	* / 600	-	IEC 60112
その他の特性.			
吸水率, 23°C, immersion, equilibrium	1.1 / *	%	ISO 62
吸湿率	0.7 / *	%	ISO 62
密度	1010 / -	kg/m ³	ISO 1183
	1.01 / -	g/cm ³	
溶融時の比熱	2700	J/(kg K)	-
溶融時の熱伝導率	0.2	W/(m K)	-
溶融時の密度	830	kg/m ³	-
	51.8	lb/ft ³	

Main applications: • Athletic foot wear components • Ski shoes • Tennis racket bumpers
• Zip fasteners

Packaging:

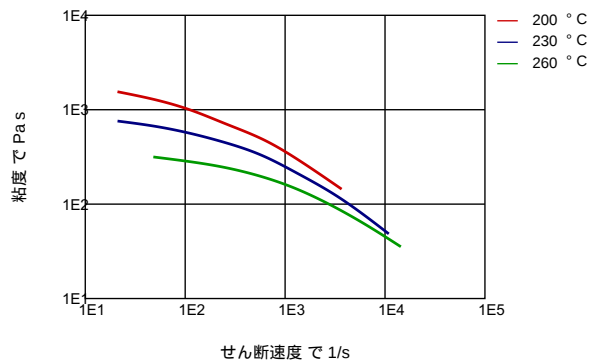
This grade is delivered dried in sealed packaging (20 or 25 kg bags) ready to be processed.

Shelf Life:

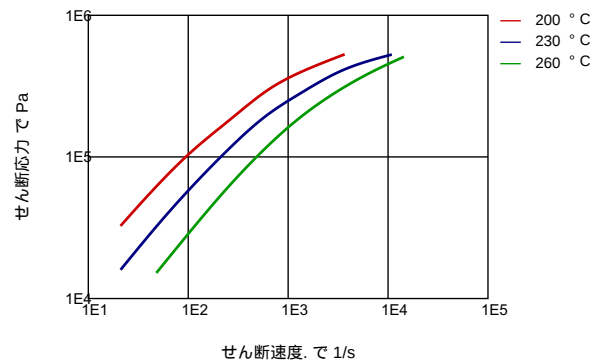
Two years from the delivery. For any use above this limit, please refer to our technical services.

機能

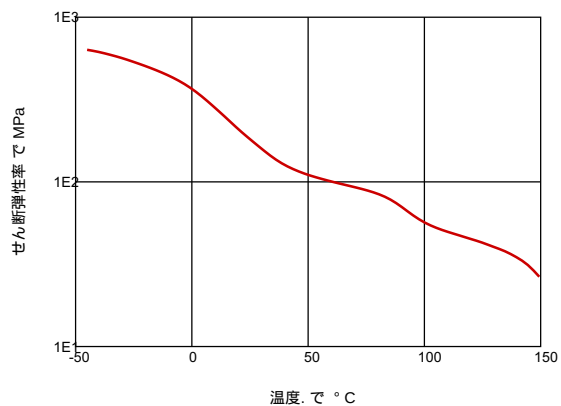
粘度せん断速度.



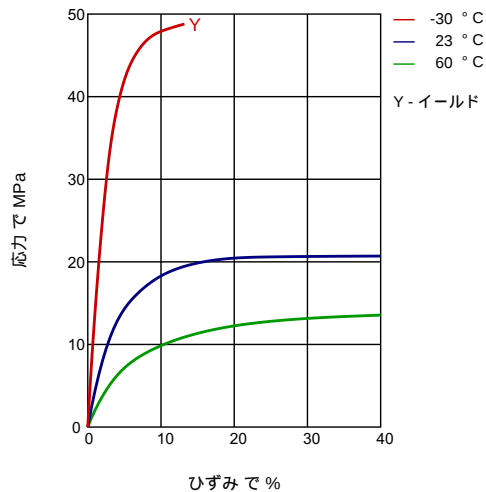
せん断応力-せん断速度.



せん断弾性率-温度.

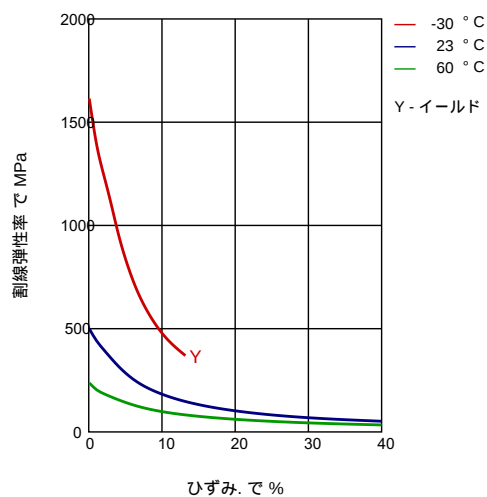


応力-ひずみ.

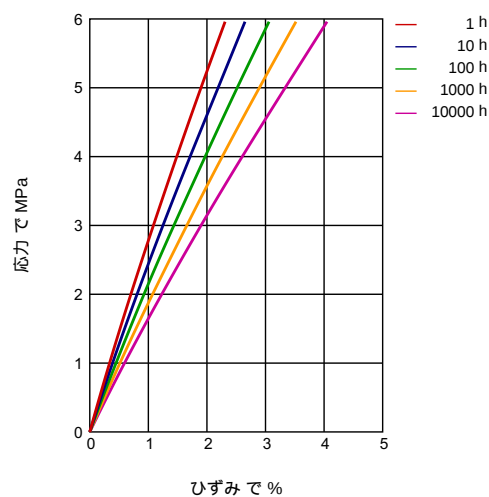


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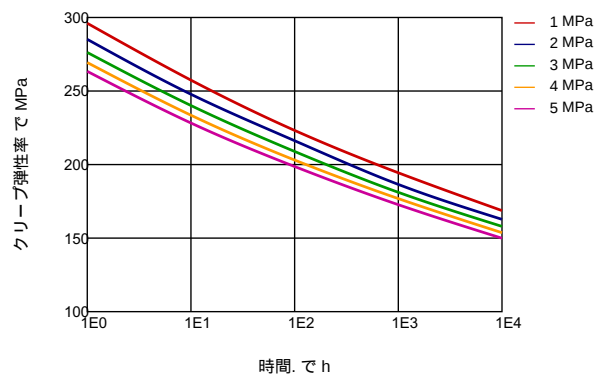
割線弾性率—ひずみ.



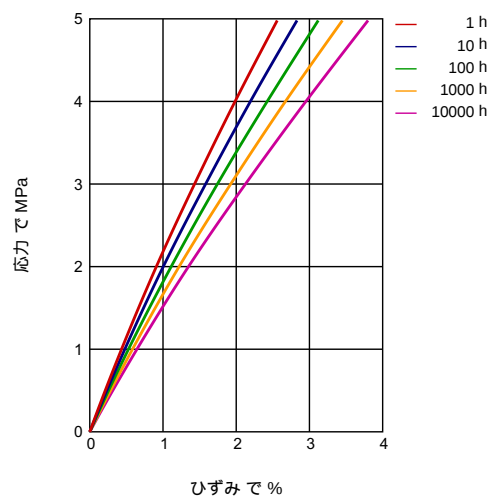
応力-ひずみ (等時的) 73°F



クリープ弾性率—時間. 73°F

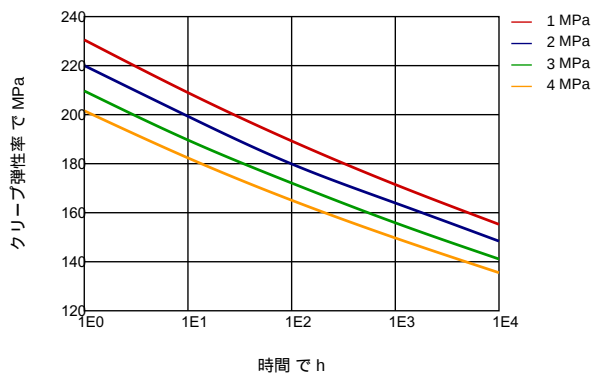


応力-ひずみ (等時的) 104°F

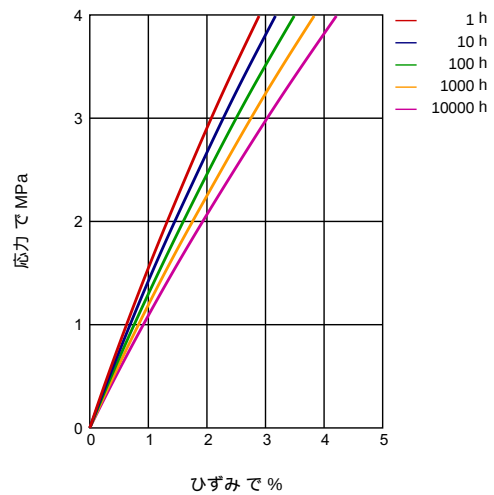


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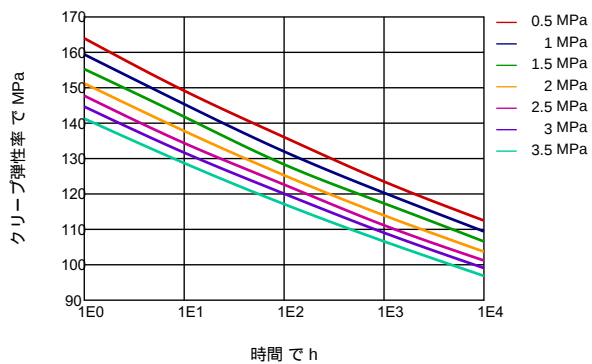
クリープ弾性率—時間. 104°F



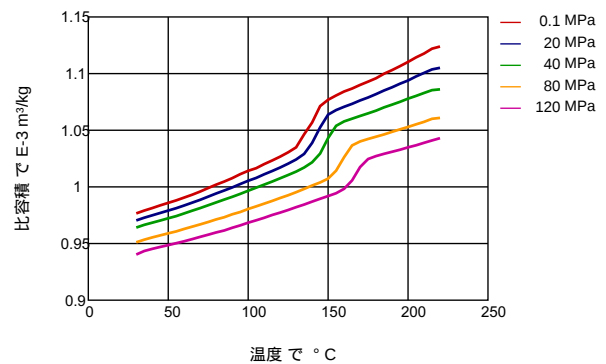
応力-ひずみ (等時的). 176°F



クリープ弾性率—時間. 176°F



PVT



Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 230°C / 260°C / 290°C
- Typical mold temperature : 25 – 60°C
- Drying time and temperature (only necessary for bags opened for more than two hours) : 5-7 hours at 70-80°C

Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 220°C / 235°C / 250°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 5-7 hours at 70-80°C.

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成形加工法 射出成形, フィルム押出成形, 異形押出成形, その他の押出成形, トランスファー成形, 注型, 熱成形	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
納入形状 ペレット	
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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