

PEBAX[®]

MV 1074 SP 01

Polyether block amide Pebax[®] MV 1074 SP 01 resin is a thermoplastic elastomer made of flexible polyether and rigid polyamide.

Pebax[®] MV 1074 SP 01 resin is an inherently dissipative polymer and can be dry blended or compounded with an isolative polymer to lower the surface resistivity. This hydrophilic grade when extruded into either a thin film or laminated on to a substrate offers excellent permeability to moisture vapor while remaining waterproof.

This SP grade has been developed to be heat and UV resistant.

Refractive index according to an internal method is 1.502.

特性	乾燥/調湿	単位	テスト基準
機械的特性			
引張弾性率	97 / 80	MPa	ISO 527-1/-2
	14100 / 11600	psi	
50%ひずみ時応力	10 / 10	MPa	ISO 527-1/-2
	1450 / 1450	psi	
破壊ひずみ	>50 / >50	%	ISO 527-1/-2
破壊ひずみ TPE	>300 / *	%	ISO 527-1/-2
破壊応力 TPE	30 / *	MPa	ISO 527-1/-2
	4350 / *	psi	
ショア硬さD, 15 s	38 / *	-	ISO 868
シャルピー衝撃強さ, +23°C	未破壊 / 未破壊	kJ/m ²	ISO 179/1eU
シャルピー衝撃強さ, -30°C	未破壊 / 未破壊	kJ/m ²	ISO 179/1eU
ノッチ付きシャルピー衝撃強さ, +23°C	未破壊 / 未破壊	kJ/m ²	ISO 179/1eA
ノッチ付きシャルピー衝撃強さ, -30°C	未破壊 / -	kJ/m ²	ISO 179/1eA
最大応力, 平行	32 / *	MPa	ISO 527-3
	4640 / *	psi	
最大応力, 直角	34 / *	MPa	ISO 527-3
	4930 / *	psi	
最大ひずみ, 平行	500 / *	%	ISO 527-3
最大ひずみ, 直角	700 / *	%	ISO 527-3
熱的特性			
溶融温度, 10°C/min	158 / *	°C	ISO 11357-1/-3
ガラス転移点, 10°C/min	-40 / *	°C	ISO 11357-1/-2
酸素指数	19 / *	%	ISO 4589-1/-2
電気的特性			
体積抵抗率	1.5E9 / 2.5E7	Ohm* m	IEC 62631-3-1
表面抵抗率	* / 3E9	Ohm	IEC 62631-3-2
耐電圧	5 / -	kV/m	IEC 60243-1
	127 / -	kV/in	

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

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その他の特性.

吸水率, 23°C, immersion, equilibrium	48 / *	%	ISO 62
吸湿率	1.4 / *	%	ISO 62
密度	1070 / -	kg/m ³	ISO 1183
	1.07 / -	g/cm ³	

Main applications:

- Breathable membranes
- Permanent antistatic additive

Packaging:

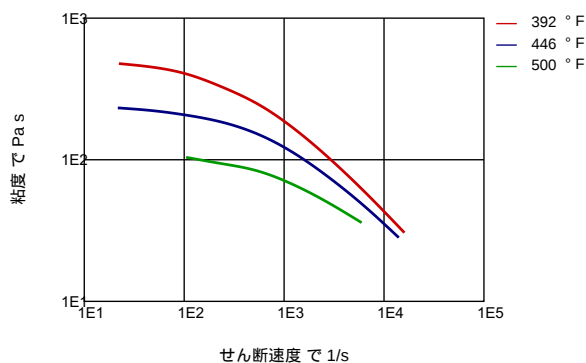
This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

Shelf Life:

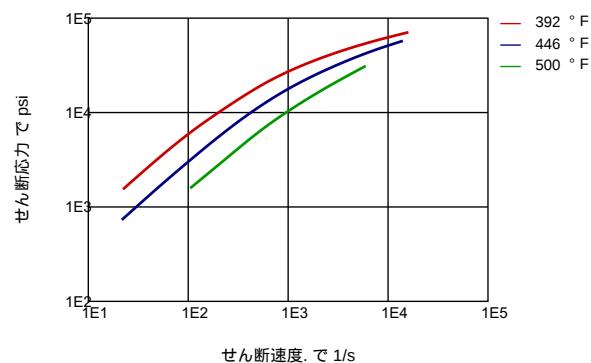
Two years from the delivery. For any use above this limit, please refer to our technical services.

機能

粘度せん断速度.

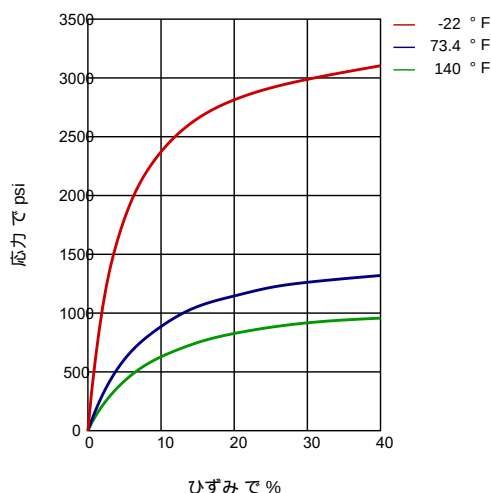


せん断応力-せん断速度.

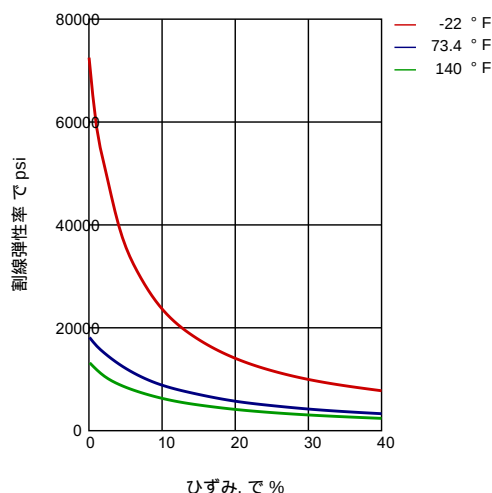


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応力-ひずみ.



割線弾性率-ひずみ.



Processing conditions:

- Typical melt temperature (Min / Recommended / Max): 200°C / 240°C / 270°C.
- Typical mold temperature: 25–60°C.
- Drying time and temperature (only necessary for bags opened for more than two hours): 4-6 hours at 65-75°C.

Processing conditions:

- Typical melt temperature (Min / Recommended / Max): 210°C / 220°C / 230°C.
- Drying time and temperature (only necessary for bags opened for more than two hours): 4-6 hours at 65-75°C.

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 帯電防止, 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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