PEBAX®
MV 1074 SA 01 MED

Polyether block amide Pebax® MV 1074 SA 01 MED resin is a thermoplastic elastomer made of flexible and hydrophilic polyether and rigid polyamide.
Hydrophilic Pebax® MV 1074 SA 01 MED resin is suitable for extrusion or coextrusion and offers excellent high moisture absorption properties in wet environments, enhancing lubricity against bodily tissue.
Pebax® MV 1074 SA 01 MED resin is also an inherently dissipative polymer and can be dry blended or compounded with a polymer matrix to lower the surface resistivity of the final part.
This grade offers the highest quality and it is specially designed to meet the stringent requirements of the medical applications such as minimally invasive devices. Upon request, letters regarding USP Class VI compliance can be provided.

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/m²	ISO 179/1eU
シャルピー衝撃強さ, -30°C	未破壊 / 未破壊	kJ/m²	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/m²	ISO 179/1eA
ノッチ付きシャルピー衝撃強さ, -30°C	未破壊 / 未破壊	kJ/m²	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

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表面抵抗率	* / 3E9	Ohm	IEC 62631-3-2
耐電圧	5 / -	kV/mm	IEC 60243-1
	127 / -	kV/in	
その他の特性.			
吸湿率	1.4 / *	%	ISO 62
密度	1070 / -	kg/m³	ISO 1183
	1.07 / -	g/cm³	

Main applications:
- Breathable membranes
- Permanent antistactic additive
- Surgical tubings and garments

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.

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，その他の押出成形

特殊な特性

帯電防止，熱安定化

領域別の利用可能性

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