+135-3858-6433 (GuangDong)
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PEBAX® MV 1074 SA 01 MED

Polyether block amide Pebax® MV 1074 SA 01 MED is a thermoplastic elastomer made of flexible and hydrophilic polyether and rigid polyamide.

- **Hydrophilic Pebax® MV 1074 SA 01 MED 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 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.

MAIN CHARACTERISTICS

Property	Typical Value	Unit	Test Method
Density	**1.07**	g/cm³	ISO 1183
Water Absorption at Equilibrium At 20°C and 50 % R.H. **Water Absorption** At 23°C and 24 h in water	**1.4** **48**	% %	ISO 62
Melting Point	**158**	°C	ISO 11357
Hardness (*) Instantaneous	**40**	Shore D	ISO 868
Tensile Test (*) Stress at Break Strain at Break	 **30** **>700**	 MPa %	ISO 527
Flexural Modulus (*)	**80**	MPa	ISO 178
Surface Resistivity (*)	**3 10⁹**	Ω / sq	IEC 60093
Volume Resistivity (*)	**2.5 10⁹**	Ω.cm	IEC 60093
Charge Decay Time (*)	**< 1**	s	MIL B-81705
Refractive Index	**1.502**	-	Internal Method

(*) Samples conditioned 15 days at 23°C - 50 % R.H.

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MAIN APPLICATIONS

- Permanent antistatic additive.
- Breathable membranes.
- Surgical tubings.

PROCESSING CONDITIONS

Conditions	Typical values
Extrusion Melt Temperature (Min / Recommended / Max)	**210°C / 220°C / 230°C**
Injection Melt Temperature (Min / Recommended / Max)	**200°C / 240°C / 270°C**
Mold Temperature	**25 – 60°C**

Drying (only necessary for bags opened for more than one hour) Time Temperature	 **4 - 6 hours** **65 - 75°C**

PACKAGING

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

ARKEMA
INNOVATIVE CHEMISTRY