

Polyether block amide **PEBAX® MV 1074 SA 01** is a thermoplastic elastomer made of flexible polyether and rigid polyamide. MV 1074 SA 01 is an inherently dissipative polymer and can be dry blended or compounded with an isolative polymer to lower the surface resistivity. This SA grade is specially designed to medical and food uses.

Main Characteristics	Value	Unit	Test Method
<b>Density</b>	<b>1.07</b>	g/cm <sup>3</sup>	ISO 1183
<b>Water Absorption at Equilibrium</b> at 20°C and 50 % RH	<b>1.4</b>	%	
<b>Water Absorption at Saturation</b> 24 h in water at 23°C	<b>48</b>	%	ISO 62
<b>Melting Point</b>	<b>158</b>	°C	ISO 11357
<b>Hardness Shore (*)</b> Instantaneous	<b>40</b>	Shore D	ISO 868
<b>Tensile Test (*)</b> Stress at Break Strain at Break	<b>30</b> <b>&gt;700</b>	MPa %	ASTM D 638
<b>Flexural Modulus (*)</b>	<b>80</b>	MPa	ISO 178
<b>Surface Resistivity (*)</b>	<b>3 10<sup>9</sup></b>	Ω / sq	IEC 60093
<b>Volume Resistivity (*)</b>	<b>2.5 10<sup>9</sup></b>	Ω.cm	IEC 60093
<b>Charge Decay Time</b>	<b>&lt;1</b>	sec	MIL B-81705

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

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