

Polyether block amide **PEBAX® MV 1074 SP 01** is a thermoplastic elastomer made of flexible polyether and rigid polyamide. MV 1074 SP 01 is an inherently dissipative polymer and can be dry blended or compounded with an isolative polymer to lower the surface resistivity. This SP grade has been developed to be heat and UV resistant.

Main Characteristics	Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Water Absorption at Equilibrium At 20°C and 50 % RH	1.4	%	ISO 62
Water Absorption At 23°C and 24 h in water	48	%	
Melting Point	158	°C	ISO 11357
Hardness Shore (*) Instantaneous	40	Shore D	ISO 868
Tensile Test (*) Stress at Break Strain at Break	30 >700	MPa %	ASTM D 638
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	sec	MIL B-81705
Refractive Index	1.502	–	Internal method

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

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