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Certified: ISO 9001: 2015

## PROTECT STAT 100M MIL-PRF-81705 TYPE III CLASS 2 Data Sheet

**Barrier Material: Waterproof, Electrostatic Protective, Electrostatic and Electromagnetic Shielding, Flexible, Heat-Sealable**

STAT 100M is a strong, abrasion resistant material offering excellent electrostatic shielding properties. The metal-in, five-layer construction provides superior protection from punctures and tears. It provides an effective Faraday Cage ideal for protecting printed circuit boards and subassemblies. It is free of primary amines, amides and silicone compounds. STAT 100 meets MIL-DTL-117H Type II, Class H, STYLE 2

**Structure description: Met-PET/PE/ESD-Sealant**

### PHYSICAL PROPERTIES

ELECTRICAL PROPERTY	TYPICAL VALUES		UNITS		TEST METHOD
EMI Shielding	>10		DB		MIL-B-8705-REV E 1-10 GHz
Surface resistivity	Inner >1	Outer < 1	10 <sup>5</sup> Ohm/in <sup>2</sup>	10 <sup>12</sup> Ohm/in <sup>2</sup>	(EOS/ESD S11.11)
Electrostatic Decay	< 2.0		sec		MIL-STD-3010 Method 4046
Capacitive Probe Test	< 25 V				EIA 541
Energy Test	< 10nJ				EOS/ESD S11.31
<b>PHYSICAL PROPERTIES</b>					
Total thickness	3.0		mil		ASTM D374
Optical Density	0.4				Densitometer
Light Transmission	40%				Densitometer
Tensile Strength	MD 6530 TD 5800		psi psi		ASTM D882
Heat Seal Range	275F – 500F				ASTM f88-66
Puncture Resistance	13.0		lbs/in		MIL-STD-3010 Method 2065
Seal Strength	. 10.0		lb		ASTM F88-99

**Disclaimer**

The data presented refers to typical values only and should serve only as a guide and does not encompass normal variability or constitute any warranty. We urge purchasers to conduct tests for suitability in their specific end use.