TESLIN®
Enabling Substrate Technology from PPG

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Independent Laboratory Material Evaluation Report:

Static Decay and Surface Resistivity Testing of Labels

Conclusion: *Teslin*® substrate labels are static dissipative, PVC labels are not.

Surface Resistivity*	Average @ 30% RH (Ohms / Square)
Teslin Label Side	9.78 x 10^{11}
PVC Label Side	1.06 x 10^{13}
Teslin Label Outside Backing	5.85 x 10^{11}
PVC Outside Backing	1.48 x 10^{12}
Teslin Label Adhesive Side	9.07 x 10^{11}
PVC Adhesive Side	4.23 x 10^{12}

* According to industry packaging material specifications such as ESD S.541 (previously EIA-541), a material with surface resistivity measurement < 1x10^{12} would be static dissipative.

Static Decay	1% Cutoff**	10% Cutoff***
Teslin Labels	PASS (0.45 seconds)	PASS (0.18 seconds)
PVC Labels	FAIL (2.23 seconds)	FAIL (0.88 seconds)

**Per electronic industry packaging material specifications such as ESD S.541, a material must exhibit a static decay time of < 2 seconds in this test to be considered acceptable for use in Static Safe applications.

***Per NFPA 99, commonly referenced for hospitals and hazardous locations and used as a guideline for packaging, filtering, paper, consumer products, clean rooms and many other applications, acceptable materials should have a static decay time of < 0.50 seconds in this test.

Testing conducted August 2009 by Electro-Tech Systems, Inc.