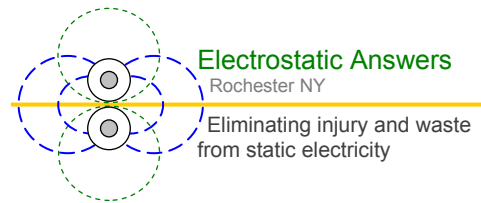


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**STATIC CHARGE CONTROL FOR PLASTIC WEBS  
IN ROLL-TO-ROLL MANUFACTURING PROCESSES**

*Kelly Robinson*  
*Electrostatic Answers*  
*15 Piping Rock Run*  
*Fairport, NY 14450*

**Abstract**

Excessive static causes dust attraction and sheet sticking. Sparks can injure operators, damage electronic devices and ignite fires. While installing a static dissipater just before winding prevents sparks in the winding roll, it is ineffective in preventing static problems when the roll is unwound in subsequent operations. A more effective strategy is to identify the sources of the charging and to install static dissipaters to neutralize static on the charged web surface.