Tek Tip

PINK POLY ANTI-STATIC PACKAGING MATERIALS

Attention: All polycarbonate film users,

Polycarbonate film is commonly used in conjunction with sensitive electronic devices either as a label, window or membrane switch overlay. These devices or components of the same are often packaged in anti-static materials to protect the electronics against damage caused by electrostatic discharge (ESD). One type of anti-static packaging material is commonly referred to as **PINK POLY**. It is a clear pink (hot pink) polyethylene that is available as a film for bags, bubble pack or foam. It is treated with an amine type compound that imparts the anti-static qualities. This compound works by blooming to the surface of the polyethylene and together with airborne moisture produces ions that increases the electrical conductivity at the surface of the polyethylene.

ALL AMINES ARE CHEMICALLY AGGRESSIVE TO POLYCARBONATE

A polycarbonate part that comes in contact with amines will eventually degrade. The degradation shows up as a surface haze or clouding, stress cracking of formed parts, complete ink delamination or -in the advanced stages- de-polymerization of the polycarbonate.

PINK POLY SHOULD NOT BE USED IN CLOSE PROXIMITY TO ANY POLYCARBONATE PRODUCT INCLUDING HARD COATED POLYCARBONATE FILM

Anti-static packaging materials that are safe to use are those that are made conductive by using a metallized coating or inert conductive filler. If you are unsure about the compatibility of a specific material send a sample to TEKRA for analysis (please include product identification, name of supplier and MSDS).

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