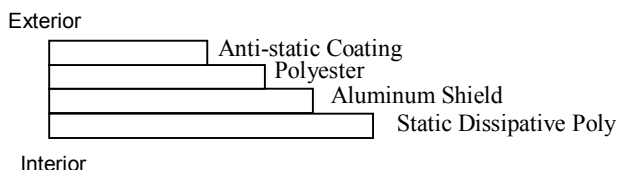


81705E TIII**STATIC CONTROL****FILM DATA SHEET**

Shannon Packaging Company
 14375 Telephone Ave.
 Chino, CA 91710
 Phone: (909) 591-8768
 Fax: (909) 591-1409
 www.shannonpkg.com
 SPC326R206.20.18

Physical Description:

Four layers: Static dissipative coating, polyester, Metal and polyethylene laminate.

MIL SPECIFICATION

FILM: MIL PRF 81705E TIII C2
POUCH: MIL DTL 117H TIII CH S2

Application:

This strong static control film provides moderate barrier protection and has good clarity. The polyester dielectric in concert with the metal layer provides discharge shielding. The exterior is static dissipative and allows electrostatic charges to be removed when grounded. This product is on the Qualified Product Listing under the Defense Standardization Program ([http://qpldocs.dla.mil/search/parts.aspx?qpl=2498¶m=MIL-PRF-81705E\(1\)&type=262144](http://qpldocs.dla.mil/search/parts.aspx?qpl=2498¶m=MIL-PRF-81705E(1)&type=262144)). Film is free of silicones and heavy metals.

Converting:

It is usually converted into sheeting, tubing and 2-seal pouches

Physical Properties:

| PROPERTIES | TEST METHOD | UNIT OF MEASURE | TYPICAL VALUE |
|-----------------------------|-----------------------------|-----------------|----------------------|
| Thickness | MIL-STD-3010 Method 1003 | mils | 2.8, 0.071 mm +/-10% |
| Puncture Resistance | MIL-STD-3010 Method 2065 | Lbs | 12 |
| Seam Strength | MIL-STD-3010 Method 2024 | Pass | Pass |
| Tensile Strength | ASTM D882 | PSI, MPa | 4600, 32 |
| Marking Abrasion Resistance | MIL-PRF-81705E Method 4.6.6 | Pas | Pas |
| Contact Corrosivity | MIL-STD-3010 Method 3005* | Pass | Pass |
| Transparency | MIL-STD 3010 Method 4034 | | 40% |

*Passes on all surfaces noted in MIL-PRF-81705E Special Requirement 6/

Electrical Properties:

| PROPERTIES | TEST METHOD | UNIT OF MEASURE | TYPICAL VALUE |
|------------------------------|-----------------------------|-----------------|---|
| EMI Attenuation | MIL-PRF-81705E Method 4.6.7 | db | ≥10 |
| ESD Shielding | MIL-PRF-81705E Method 4.6.9 | nJ | ≤10 |
| Surface Resistivity-Interior | MIL-PRF-81705E Method 4.6.8 | Ohms/sq | ≥1x10 ⁵ to < 1 x10 ¹² |
| Surface Resistivity-Exterior | MIL-PRF-81705E Method 4.6.8 | Ohms/sq | < 1 x10 ¹² |
| Static Decay | MIL-STD-3010 Method 4046 | Sec | ≤2 |

The values indicated in this document are the results of tests made in compliance with the normal standards. They are given as an indication and should be considered as average values and given without any obligation on our part. This data was provided directly to Shannon from our film supplier.

For more information about material data, please visit our web site at www.shannonpkg.com

*Your Solution
is in the bag*

SPC264R1.03.14.17