

## CLEAR ESD GRID PRINT VINYL

ESD Grid Vinyl has a printed long lasting electro conductive carbon grid on its surface. The base material is a transparent vinyl that combines good visibility with excellent ESD properties when grounded. Applications include softwalls for cleanrooms, cart covers and various electronic and printing requirements.

**Thickness:** .012  
**Color:** Clear  
**Hardness:** 44 (phr)

|                                  | <b>PHYSICAL PROPERTIES</b>                             |  |             |
|----------------------------------|--|--|-------------|
| 100% Modulus (kg/cm)             | MD 4.52  |  |             |
|                                  | CD 4.15  |  |             |
| Tensile Strength (kg/cm)         | MD 8.5   |  |             |
|                                  | CD 7.67  |  |             |
| Elongation (%)                   | MD 280   |  |             |
|                                  | CD 290   |  |             |
| Tear Strength (kg)               | MD 2.19  |  |             |
|                                  | CD 2.39  |  |             |
| Cold Crack (°C)                  | MD -23   |  | ASTM D-1593 |
|                                  | CD -19   |  |             |
|                                  | <b>ELECTRICAL PROPERTIES</b>                           |  |             |
| Specific Surface Resistivity (Ω) | A - $<10^7$<br>B - $3 \times 10^{11}$                  | A: Printed side, B: Back<br>20°Cx60%RH             |             |
| Volume Resistivity (Ω cm)        | $6 \times 10^{11}$                                     |  |             |
| Fricion Electrocharge (V)        | 30/22  |  |             |
| Decay Time (second)              | 50% - 0.00/0.00<br>90% - 0.05/0.06<br>100% - 1.63/1.71 | MIL-B-81705B<br>17°Cx20%RH<br>(Static Decay Meter) |             |