

### Static Dissipative Laminate

Static Dissipative Laminate is ideally suited for a variety of electronically sensitive applications. It features a durable coating that provides long-term resistance to surface abrasion with a very thin deposit of microscopic particles of aluminum oxide on the conventional melamine layer. The coating reduces shedding to one-tenth that of conventional laminates and maintains surface texture which extends the life of the laminate. The laminate virtually eliminates surface shedding which provides a tough, durable work surface that outlasts competitive materials. It meets or surpasses all standards for electrical properties even at low humidity levels. Resistant to common solvents such as Acetone, 111Trichloroethylene, Solder flux, Isopropyl Alcohol and Naphtha.

### Static Dissipative Laminate Sheets

Laminate sheets are designed for permanent lamination to work station furniture surfaces and are individually certified and labeled to meet the specific electrical property requirements. They are available in vertical and horizontal postforming and general purpose grades.

| ELECTRICAL PROPERTIES  |                   |   |
|--|-------------------|---|
| Test   | Relative Humidity | Electrical Results                      |
| Point to Point Resistance <sup>1</sup>   | 60% - 40%         | 10 <sup>6</sup> to 10 <sup>7</sup> ohms |
|  | 40% - 20%         | 10 <sup>7</sup> to 10 <sup>8</sup> ohms |
|  | 20% - 10%         | 10 <sup>8</sup> to 10 <sup>9</sup> ohms |
| Point to Ground Resistance <sup>1</sup>  | 60% - 40%         | 10 <sup>6</sup> to 10 <sup>7</sup> ohms |
|  | 40% - 20%         | 10 <sup>7</sup> to 10 <sup>8</sup> ohms |
|  | 20% - 10%         | 10 <sup>8</sup> to 10 <sup>9</sup> ohms |
| Volume Resistance <sup>2</sup>   | 60% - 30%         | 10 <sup>7</sup> to 10 <sup>8</sup> ohms |
|  | 30% - 10%         | 10 <sup>8</sup> to 10 <sup>9</sup> ohms |
| StaticDecay <sup>3</sup>   | 50%               | 0.01 sec                                |
|  | 10%               | 0.02 sec                                |
| <sup>1</sup> Per EOS/ESD - S 4.1   |                   |   |
| <sup>2</sup> Measured Face to Back at 72°F, 100 V with a LCD Megohmmeter, Item No. 19770,NFPA Electrodes (2.5 inch diameter, 5 pounds) |                   |   |
| <sup>3</sup> FTMS 101C, Method 4046  |                   |   |

| PHYSICAL PROPERTIES   |  |                       |
|---|--|-----------------------|
| Wear Resistance Solid Colors (NEMA LD3 current edition)   |  |                       |
| Physical Properties   | Static Dissipative Armored Protection™ Surface | Conventional Laminate |
| Typical NEMA Value  | 1000 cycles                                    | 400 cycles            |
| Typical Rate of Wear (weight loss per 100 cycles abrasion)  | .006 gm/100 cycles                             | .080 gm/100 cycles    |
| <ul style="list-style-type: none"> <li>Laminate performance properties meet or exceed NEMA LD 3 current edition standards for grade VGP, HGP, or HGS. Features Armored™ Protection Surface.</li> <li>Laminate Thickness:<br/>A60 General Purpose 0.059 +/- 0.005"</li> <li>Surface Finish: Standard textured finish</li> <li>Formability: Postformable within 1/2" to 3/4" radius depending on equipment and humidity.</li> </ul> |  |                       |

| Specifications       |  |
|----------------------|--|
| General              |  |
| Thickness:           | .040 Nominal   |
| Chemical Resistance: | Resistive to common solvents such as Acetone, Trichloroethylene, Solder Flux, Isopropyl Alcohol, and Naptha          |
| Thermal Resistance:  | 350°F with no change per NEMA 3.6  |
| Cleaning:            | Clean with water only, or with a mild, nonabrasive, ammoniated detergent and rinse; DO NOT use wax or other coatings |