

Ultimat™ CR White is a new technology static dissipative industrial grade elastomer designed for use on tables and other grounded workbench surfaces. Its electrical properties are volume dissipative unlike many of the surface dissipative properties of the competition. This material was developed to conform to the new Class Zero and RoHS requirements.

Ultimat™ CR White is a chemically cross-linked material throughout. Because it is inherently cross-linked the material is volume conductive. The layers are permanently dissipative with "space age dissipative polymers" which will not lose its electrical properties, not exude, and more important will not outgas and contaminate in cleanroom environments. The material is as durable as rigid laminates and as comfortable and appealing as the softer rubber tablemats. Does not work with continuous monitors unless mat is placed on stainless steel tops which acts like the ground.

This material meets both the US EOS 20/20 and European IEC 613450-5-1 specifications and therefore has outstanding charge dissipation, rapid charge decay, no charge suppression and outstanding low tribogeneration properties. The material will withstand solvents, soldering iron deformation, not curl, and have excellent abrasion resistance. The embossed surface will reduce light glare, increase part slip resistance, and facilitate cleaning. Since the material is free from silicone, halogens, lead, arsenic, barium, heavy metals, phthalate plasticizers, vinyl monomer, asbestos, formaldehyde, antimony, chromium, cadmium, and other dangerous volatiles it may be used in environments where out gassing and contamination is of concern. It is RoHS compliant. A full set of test results for out gassing and compatibility is available from Galbraith Labs, K+S Labs, and Balasz Test Labs.

Properties:

- › Embossed Finish
- › Reversible - Both sides are white
- › .070-.080 inch (1.8mm) thickness
- › .05 sec decay time
- › $10^7 - 10^8$ ohm, ohm-cm, RTG, RTT, Vol R
- › Widths: 24, 30, and 48 inches
- › Lengths: 40 feet
- › Durable surface
- › Low Out gassing and VOC
- › Low abrasion
- › No vinyl monomers or DOP
- › UV Additives

Benefits:

- › No glare, easy cleaning, no part sticking
- › Durability, non curling, lays flat
- › Rapid, safe static drain
- › Meets all electrical specifications-all humidity's
- › Aesthetically appealing
- › Fits all benches. Other widths available
- › Easy to cut and ship to weight limitations
- › Will withstand temperature, solder, flux, and harsh chemicals
- › Ideal for clean rooms and other controlled areas

Durability

Environmental and personnel safety and conformance

Color Stability

Uses and Applications:

- Electronics manufacturing
- Pharmaceutical plants
- Clean rooms
- Computer installation
- Fiber Optics
- Hospitals
- Defense and military
- Chemical processing
- Explosives
- Printing
- Aviation

