



**Ultimat CR White** is a static dissipative industrial grade elastomer designed for use on tables and 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 polymers that will not lose its electrical

properties, not exudate, 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. **Note:** Not designed for use with constant monitors.

This material 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 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. Please contact United for further information on this at 719 676 3928, extension 7000.

**Physical and Electrical Properties:**

Embossed Finish	Reversible - Both sides are white
.070-.080 inch (1.8mm) thickness	Widths: 24, 30, and 48 inches. Up to 40' long
< .05 sec decay time	> 10 <sup>6</sup> – < 10 <sup>10</sup> ohm, ohm-cm, RTG, RTT, Vol R
Extremely low out gassing and VOC	No vinyl monomers or DOP
UV Additives protects from fading	Easy to keep clean

**Benefits:**

No glare, easy cleaning, no part sticking	Durability, non-curling, lays flat
Rapid, safe static decay	Aesthetically appealing
Resistant to solder, flux, and harsh chemicals	Ideal for clean rooms and other controlled areas

**Extended Information:**

This material has outstanding charge dissipation, rapid charge decay, no charge suppression and outstanding low tribo-generation properties. The material will withstand solvents and soldering iron deformation. Ultimat CR will not curl and has excellent abrasion resistance. The lightly embossed surface texture reduces light glare and increases part slip resistance yet is easy to keep clean. Since the material is free from 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 the elimination of out gassing and contamination is Critical.

**Uses and Applications:**

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