



Benefits of Protektive Pak Impregnated Corrugated vs. Coated Material

Coated Material Impregnated VS. CONSISTENT QUALITY Manufactured without computer controls Manufactured by one paper mill with and applied at various geographical computerized control, resulting in locations, resulting in quality variations. consistent high quality. STATE-OF-THE-ART TECHNOLOGY Material is coated or printed with carbon Carbon is added during the paper making loaded black ink which is then coated process. The paper is a 6 layer process. with a clear sealer to help coating stay The top surface layer is static dissipative, on. Shielding layer is very close to surmeasuring 10⁷ to 10⁹ ohms. The face and high carbon content can bleed conductive layer is in the 5th layer from through. Result is very poor and inconthe surface measuring <10⁴ ohms. sistent static dissipative effectiveness. LOWER SULFUR CONTENT Manufactured from either recycled or Manufactured from 100% recycled virgin paper or a combination of both. paper with consistently low sulfur Sulfur content may be low or high which content. can cause corrosion to leads and circuits. **GREATER DURABILITY -**Tests have shown a 50% loss in particles 1,000 Times Thicker in only 10 cycles and a 100% loss in Abrasion tests have shown no loss in 100 cycles. particles at 100 cycles, only 1% loss for 200 cycles and 60% loss for 500 cycles. **SLOWS RAPID DISCHARGE** A very conductive surface that may pose Burying the conductive layer under a a charged device model (CDM) ESD 5 dissipative surface reduces the danger to components stored in open bin boxes, in-plant handlers, shippers, potential for a rapid discharge when contacted by a charged device. totes, nesting trays, etc. **BETTER SHIELDING** Some coated products shield poorly due **EFFECTIVENESS** to inconsistent application procedures Shielding effectiveness is equal to or by some manufacturers. greater than coated conductive materials. **BETTER VALUE** Simple structure which can lack More durable structure, 1,000 times consistency of ESD shielding, durability, thicker, which consistently shields your and safety. product from ESD, is also safer and better for the environment.

Per ESD Handbook TR 20.20 paragraph 5.4.3.3.1 Returnable and Reusable Packaging "In some situations, packaging may be designed for reuse [and] may be reused numerous times. The initial cost of these packages may be relatively expensive. However, if the appropriate collection and recycling system is used, the container may be the least expensive choice over time."



