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**Date:** December 13, 2016

**To:** Whom It May Concern

**Subject:** Bentron Tote Box ESD Specifications

Metro Bentron tote boxes and lids are manufactured from carbon-filled injection molded polypropylene copolymer resin. Bentron tote boxes and lids are resistant to most weak acids, alkalis, solvents, greases, and detergents and have a continuous operating temperature range of -20 F. to 120 F. (-29 C. to 49 C.)

When tested in conjunction with ANSI/ESD-STM11.11-2015 (Surface Resistance Measurement of Static Dissipative Planar Materials), Bentron tote boxes and lids display a surface resistivity of less than  $1 \times 10^5$  ohms per square. As a result, in conjunction with JEDEC Standard JESD625-B (Revision of EIA-625), Bentron tote boxes and lids carry an ESD classification of conductive for use within an ESD Protected Environment or with ESD Sensitive Devices.

Also, in conjunction with JEDEC Standard JESD625-B, Bentron tote boxes are classified as an electronic shield if the tote box has an accompanying lid. The sealed tote box then becomes capable of attenuating an electrostatic field by acting like an isolated conductor with a net flux inside the box of zero.

Bentron tote boxes and lids are conditionally guaranteed to maintain their ESD classifications of conductive for a minimum of 5 years. It is recommended that the tote boxes occasionally be cleaned with a 70% aqueous solution of isopropyl alcohol to remove dust, dirt, or oils that might form an insulative barrier on the surface.

Sincerely,

A handwritten signature in black ink that reads "Joseph W. Fry". The signature is written in a cursive, flowing style.

Joseph W. Fry  
Product Engineer  
InterMetro Industries Corporation