



# Conductive Plastic Sheets

Hi-Core® Conductive Grade twinwall sheets, are a quality ESD product with carbon-based conductivity which is melt-encapsulated throughout the sheet. This product is designed for conversion into containers to hold products requiring electrostatic shielding.

Common uses include: component boxes and totes, IC chip carriers, briefcases and many other custom containers.

- **Excellent Conductivity**
- **Not Humidity Dependent**
- **Good Rigidity**
- **High Impact Resistance**
- **Excellent Surface Finish**
- **Can Be Printed**



**MATRA PLAST**  
[www.MatraPlast.com](http://www.MatraPlast.com)



**800-661-7662**

**HI-CORE®**

# Technical Specifications

**Board:** Type I Profile Extrusion – Polypropylene, High-Impact Copolymer.  
Hi-Core® exceeds the requirements of A-A-58078  
(formerly MIL-P-83668 (USAF)).

**Color:** Black

**Shelf Life:** Permanent Conductivity. These sheets meet or exceed  
the static decay rate specifications of MIL-81705C and NFPA 56A.

**Basis Weights:** 3mm – 130#/MSF, 4mm – 160#/MSF  
Tensile Strength at Yield, psi ASTM D 638 4,000  
Flexural Modulus, psi ASTM D 790  $2.0 \times 10^5$   
Notched Izod Impact, ft-lb./in ASTM D 256 5.0  
Gardner Impact (1/8"), in-lb ASTM D 1709 200

**Surface Resistivity:**  $4 \times 10^3$  OHMS

**Static Decay:** 0.03 sec.

Available  
From:



**MATRA PLAST**  
[www.MatraPlast.com](http://www.MatraPlast.com)