

# TECHNICAL DATA

## 35 Micron Tin Clad Copper Foil Masking Tape Product Code: BTCE7



Description : Conforms to military specification MIL-T-47012, BS EN 60454 – Part 2, ASTM D – 1000 and to the flame retardant requirements of UL 51

BTCE7 is a very specific strip masking tape based on a 35 micron tin clad copper foil coated with an electrically conductive solvent based acrylic adhesive and a removable polyester masking tape.

Application : Applied onto the inner door sections of electronic cabinets prior to powder coating or spray painting. The masking tape is then removed to expose a clean and electrically contactable tin layer. This tin layer can then form a complete EMI shield through contact with a suitable foam rubber door seal. It also offers extra resistance against ozone, oils, chemicals and water, even in extreme temperature conditions (from -20°C to +155°C).

Conductive acrylic adhesive  
Removable Polyester Masking Strip  
Good high and low temperature resistance  
Excellent resistance to ozone, oils, chemicals and water  
Easy unwind

Specifications\*  
Tested in accordance with ASTM D-1000 latest issue,  
BS EN 60454 - Part 2 test methods (Formerly VDE 0340, BS 3924).  
Tested and meets military specification MIL – T – 47012  
Construction is tested in-house and conforms to the Flame  
retardant requirement part only of UL510

Tin clad copper foil  
Foil thickness 0.035mm 1.4 mil  
Adhesive thickness 0.025mm 1.0 mil  
Total thickness 0.06mm 2.5 mil  
Polyester masking tape  
Base thickness 0.050mm 2.0 mil  
Adhesive thickness 0.030mm 1.2 mil  
Total thickness 0.080mm 3.2 mil  
RoHS compliant No  
Storage Temperature +12°C to +25°C

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