



# MATERIAL SPECIFICATION

DESCRIPTION: D374ECE5110E

**1.0 SCOPE:** This specification identifies the requirements for the purchase and inspection of D374ECE5110E

**2.0 MATERIAL:**

**2.1 SPECIFICATION**

2.1.1 D374ECE5110E

**2.2 CHEMICAL COMPOSITION**

2.2.1 Non-conductive Core, Pure Silicone Solid with E-coat (Sil + Ag)

**2.3 PHYSICAL PROPERTIES**

- 2.3.1 Hardness,Shore A,Pts ,ASTM D2240 45-50 +/- 7
- 2.3.2 Tensile Strength,PSI,ASTM D412 500 PSI
- 2.3.3 Elongation ,%,ASTM D412 10/70
- 2.3.4 Specific Gravity,ASTM D792 0.95 +/- 0.25
- 2.3.5 Tear Strength,PPI,ASTM D624 45 PPI
- 2.3.6 Volume Resistivity,Ohm-cm,MIL-G 83528 (par 4.5.10) 1 Ohm.cm
- 2.3.7 Beige colour, black non-conductive core
- 2.3.8 Temperature range -55°C/+160°C

**2.4 SCREEING EFFECTIVENESS:**

- 20 MHz: 80 dB
- 100 MHz: 100 dB
- 1 GHz: 90dB

Prepared By:	Date:	Approved By:	Date:	Inventory Number	Sheets
Eva Dufalova	28/09/09			N/A	1 of 2

Revision: 1



# MATERIAL SPECIFICATION

DESCRIPTION: mixture 5110

## 3.0 QUALITY REQUIRMENTS:

### 3.1 CERTIFICATION: (For Traceability)

Vendor shall supply with each shipment of material, a certificate of compliance and test reports showing mechanical and physical properties.

## 4.0 PACKAGING

4.1 Material to be supplied in a non transparent foil and a solid cardboard.