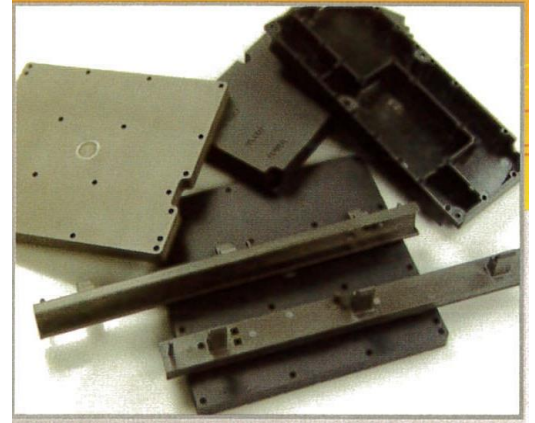


Description

Conductive Plastics can be widely used in many type of electronics / microelectronics & communication devices, medical machinery, petrochemical, military, aerospace and as any aviation electronics components in the field of anti-Electro Magnetic Interference (EMI / RFI) and any instrument or equipment called for Electro Static Discharge (ESD)



Features and Benefits

- Highly Shielding Effectiveness
- Long Shelf Time
- Good Corrosion Resistance
- Remove Shielding Gasket at Seams
- Possible to process Complicated Structure
- Low Density Lead to Low Weight and Cost

Applications

- Electronics & Microelectronic Devices
- Communication Electronics Devices
- Medical & Petrochemical Applications
- Military & Aerospace Equipment
- Anti Electro Magnetic Interference (EMI/RFI) Management Solution
- Anti Electro Static Discharge (ESD) Management Solution

Conductive Plastic

Notes: The below technical data and information should be thought as typical or representative only, and should not be used for specification purposes.

TYPICAL EMI Shielding Level * Conductive Plastic Performance

- Surface Resistivity : 0.5 ~ 250 Ω /sq
- Shielding Effectiveness (30MHz - 10GHz) : 40 dB ~ 85 dB
- Density (g/cm^3) : 1.2 ~ 1.5
- Tensile Strength : 50 ~ 120
- Bending Strength (MPa) : 70 ~ 150
- Bending Modules (MPa) : 2400 ~ 6000
- Working Temperature : -40 ~ 90 $^{\circ}\text{C}$
- Flame Retardant : UL 94 V-0
- Color : Black, Grey & Blue-Grey



* Note - Conductive plastics can be classified into :

- 1) Antistatic Material, (Surface Resistivity $10^9 \sim 10^{12}\Omega$ /sq)
- 2) Static Elimination Material (Surface Resistivity $10^6 \sim 10^9\Omega$ /sq)
- 3) Electrically Conductive Material (Surface Resistivity $10^3 \sim 10^5\Omega$ /sq)
- 4) EMI Shielding Material (Surface Resistivity $10^0 \sim 10^3\Omega$ /sq)