

# PRODUCT DATASHEET

## PRODUCT DETAILS

### PRODUCT NAME

Organic Metal / Thermoplast composite

### PRODUCT CODE

DISSIPO-ST

## USES SPECS

### WORKING TEMPERATURE

<100°C

### CHEMICAL REACTION

Bases will neutralize the Organic Metal, reducing agents will reduce it, both leading to loss of conductivity.

## APPLICATIONS

Antistatic, EMI shielding, conductive additive for paints and related coatings, for solvent based system for steel surface.

## USER GUIDELINES

It is recommended to incorporate at letdown stage adding under continuous stirring and ensure it is mixed very uniformly. The impact on curing speed, hardness, flexibility and other critical properties needs to be carefully assessed by the user along with product stability.



## PRODUCT SPECIFICATIONS

### APPEARANCE

Dark green powder

### CONDUCTIVITY RANGE

20 - 50 S/cm

### PARTICLE SIZE

< 100 nm

### SPECIFIC GRAVITY

1.14± 0.02

### SOLUBILITY

The Organic Metal (OM) itself is insoluble in water/organic solvent. The composite matrix (a thermoplastic resin) is soluble in solvents like aromatics, ketones, esters, glycol ethers, glycol ether acetates, alcohols etc., allowing a fine dispersion of the OM in various solvents and other media