



**ELECTRAFIL®**



# ELECTRAFIL<sup>®</sup>

Cost-Effective Solutions to Address the Need for Electrical Conductivity, Static Charge Control, or EMI/RFI Shielding

## Characteristics

Heterogenous thermoplastic compounds made of an insulative base resin and a conductive filler designed to deliver specific physical, mechanical, and electrical properties with conductivity performance across a broad range.

## Typical Fillers

- Carbon fiber
- Carbon powder
- Stainless steel fiber
- ICPs

## Applications

- Automotive: Fuel delivery systems
- Business Equipment: Document handling
- Data Storage: HDD process trays
- Medical: Pipettes, diagnostic, monitoring, test & measurement devices
- Material Handling: Totes, carts, conveyor systems

## Benefits

- Prevention of static charge build
- Mitigate risk and protect devices, systems from ESD discharge events
- Attenuate electromagnetic energy to achieve electromagnetic compatibility (EMC)

## Surface Resistivity (Ohms/Sq)

