



## Product Data Sheet

### Tuf-Stat Masterbatch MB F002

**Product Description:** Tuf-Stat MB F002 - static dissipative polymer. Designed for use in compounding, injection molding, and extrusion applications with LDPE, LLDPE, PP. In some applications, compounding into the host polymer is suggested.

**Surface resistance in converted end products is from 1E8 to 1E11 ohms (IEC61340-2-3).**

#### Typical Applications:

- ESD films and bags
- FIBC and octabin liners
- Protective films
- Polyolefin sheets

#### Features:

- **Static Dissipative Polymer**  
*Enables charge mobility and controlled dissipative rate to ensure optimal ESD safety.*
- **Permanent**  
*Static dissipative properties throughout the life cycle use of a product.*
- **Clean, Non-Migratory**  
*No sticky or greasy surfaces. Can be used in cleanroom applications.*
- **Humidity Independent**  
*Static dissipative properties are maintained in low relative humidity.*
- **Highly Consistent, No Hot Spots**  
*Static dissipative properties are homogenous and stable.*
- **No Halogens, No Heavy Metals**  
*RoHS approved. Recyclable.*
- **Natural Color**  
*Transparent in select host resins.*
- **Compatibility**  
*Minimal effect to host resin properties.*

Physical	Nominal ValueUnit	Test Method
Density	.98g/cm <sup>3</sup>	ISO 1183
Melt Flow Index		
190°C/2.16 kg	23g/10 min	ISO 1133
Volume Resistivity	1 x 10 <sup>5</sup> Ωm	Internal Method
Injection	Nominal ValueUnit	
Drying Temperature	60°C	
Drying Time	2.0 to 4.0hr	
Suggested Max Moisture	0.060%	
Normal Processing Range	180°-280°C	
Melting Range Start	85°C	ISO 11357
Full Melt Temperature	107°C	