



PERMASTAT PLUS™ COMPOUNDS

PERMANENT ESD PROTECTION FROM RTP COMPANY

Quick information

- ▶ Surface resistance of 10^7 - 10^8 ohms – The optimal ESD range.
- ▶ Ideal for many ATEX influenced applications
- ▶ Carbon particle free – Non-sloughing
- ▶ Fully colorable
- ▶ Permanent ESD performance
- ▶ Not humidity dependent – Works in every climate
- ▶ Inherently dissipative polymer (IDP) technology – All polymeric

Imagine a PermaStat® thermoplastic compound that processes just like standard PermaStat® compounds, yet gives enhanced static protection in the optimal ESD range (10^7 – 10^8 ohms). A compound that works at all levels of humidity – from dry desert to wet tropical areas. A compound that is non-sloughing and is fully customizable to fit the needs of your application. At RTP Company, we not only imagined it, we've made it a reality.

PermaStat PLUS™ compounds provide superior and permanent static dissipation protection while at the same time offering the flexibility to be customized to exact application requirements.

PermaStat PLUS™ compounds are available in polyolefin, acetal (POM), acrylic (PMMA), ABS, polycarbonate (PC), PBT, PC/ABS, PC/PMMA, nylons, and elastomers, including SEBS, olefin-based and over-molding grades. These compounds can be customized with other engineering

technologies including colors, wear resistance, and flame retardancy.

PermaStat® PLUS™ compounds are safe for use in and with sensitive environments, including electronics, medical, pharmaceuticals, food-stuffs, and hazardous materials processing.

As with our standard PermaStat® compound line, PermaStat PLUS™ compounds offer significant benefits over traditional surface coatings. The dissipative performance is inherent and polymeric, providing a permanency not afforded by surface coatings and eliminating costly secondary operations required with coating technologies.

Like all PermaStat® materials, PermaStat PLUS™ compounds still perform their dissipative functions even after recycling.

PermaStat PLUS™ Compounds... another innovation from the leader in specialty compounding.

PermaStat
PLUS™

PermaStat® is a registered trademark of RTP Company

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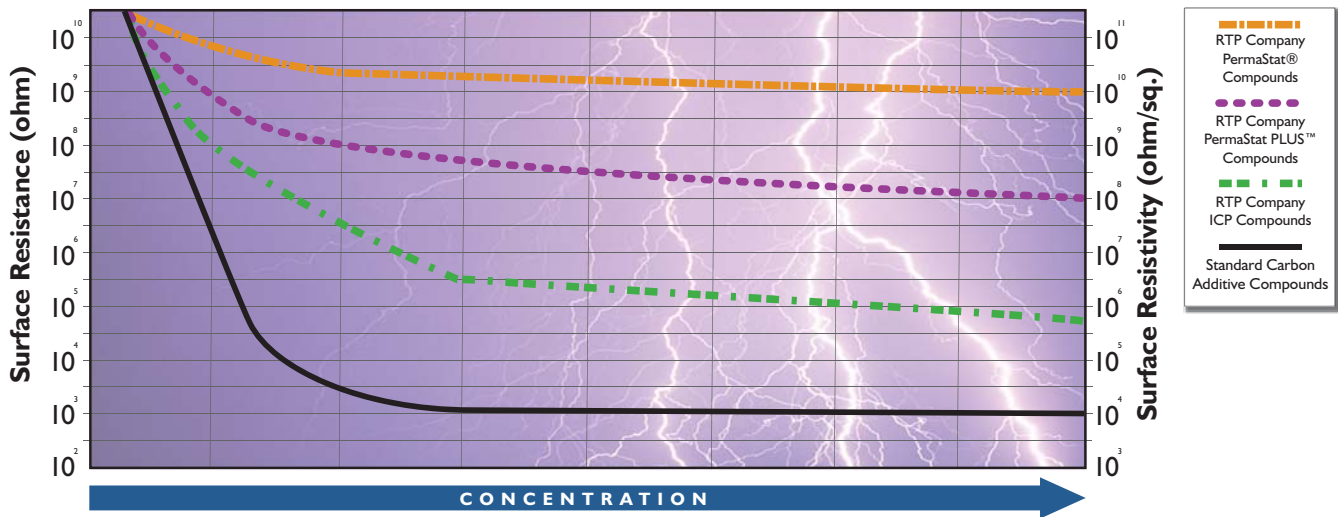
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	Surface Resistance (ohms)	Surface Resistivity (ohms/sq)	Static Decay (12% RH)	Mechanical Performance vs. PermaStat	Permanency	Benefits
PermaStat®	10 ⁹ - 10 ¹⁰	10 ¹⁰ - 10 ¹¹	< 2 sec	-----	Yes	Permanence
PermaStat PLUS™	10 ⁷ - 10 ⁸	10 ⁸ - 10 ⁹	< 0.5 sec	Unchanged	Yes	* Improved Electrical Performance
Migratory Surfactant	10 ¹⁰ - 10 ¹²	10 ¹¹ - 10 ¹³	25 + sec	Similar	No	Low cost

* Performance relative to PermaStat®

Typical Resistivity Behavior



Product Development Contact:

To begin the process of having a custom PermaStat® PLUS compound developed for your application e-mail rtp@rtpcompany.com or call **1-800-433-4787**

RTP Company: Your Global Compounder Of Custom Engineered Thermoplastics

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