

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 particulate 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

World Headquarters:

RTP Company
580 East Front Street
Winona, MN 55987
phone: 507-454-6900
800-433-4787
fax: 507-454-4629
website: www.rtpcompany.com
e-mail: rtp@rtpcompany.com



The Leader in Specialty Compounding


Manufacturing Facilities:

Winona, MN
South Boston, VA
Fort Worth, TX
Indianapolis, IN
Beaune, France
Singapore
Suzhou, China
07/06



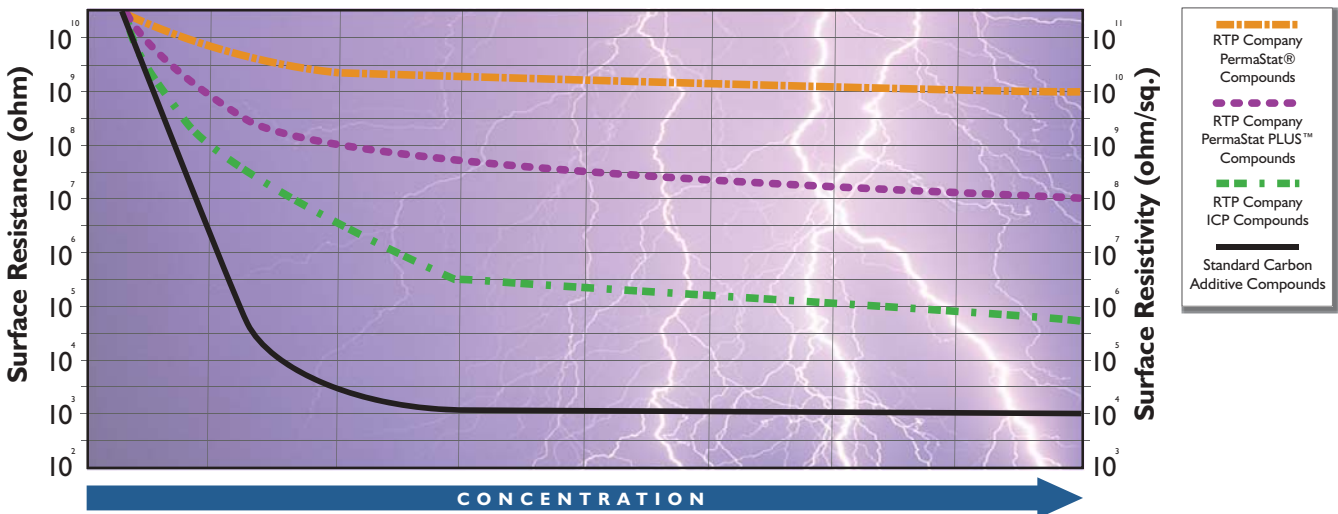
PERMASTAT PLUS™ COMPOUNDS

Permanent ESD Protection from RTP Company

	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**

World Headquarters:

RTP Company
580 East Front Street
Winona, MN 55987
phone: 507-454-6900
800-433-4787
fax: 507-454-4629
website: www.rtpcompany.com
e-mail: rtp@rtpcompany.com



The Leader in Specialty Compounding

Manufacturing Facilities:

Winona, MN
South Boston, VA
Fort Worth, TX
Indianapolis, IN
Beaune, France
Singapore
Suzhou, China



No information supplied by RTP Company constitutes a warranty regarding product performance or use. Any information regarding performance or use is only offered as suggestion for investigation for use, based upon RTP Company or other customer experience. RTP Company makes no warranties, expressed or implied, concerning the suitability or fitness of any of its products for any particular purpose. It is the responsibility of the customer to determine that the product is safe, lawful and technically suitable for the intended use. The disclosure of information herein is not a license to operate under, or a recommendation to infringe any patents.