



Royalite[®] Electrostatic Dissipative (ESD) Sheet

Innovative thermoplastic solutions that protect against electrostatic discharge.

Royalite[®] offers a complete product line of thermoplastic sheet that is designed to provide permanent protection against electrostatic discharge. This innovative product line features several material chemistries for manufacturing everything from shipping containers for sensitive software chips and aviation fuel caps to temporary floor material used during avionics assembly. What this material prevents is electrostatic discharge while helping your product manufacturing and sales move forward.

Key material features and characteristics:

- Protection for sensitive devices during manufacture, assembly and storage
- Available in a wide range of material chemistries
- UL[®] listed, anti-static rigid sheet
- **Fabrication capabilities:** Machine, saw, drill, rout and grind
- High stiffness and abrasion resistance with excellent thermoformability
- Dimensional stability typical for today's robotic material handling systems

Call 800-677-4338 or email marketing@spartech.com to order these products.

FOLLOW US:

Royalite® Electrostatic Dissipative (ESD) thermoplastic sheet meets permanent static protection requirements and these products meet minimum static decay requirements outlined in MIL-B-81705C and NFPA Code 99 specifications.

PRODUCT	MATERIAL	DESCRIPTION/APPLICATIONS	SPECIFICATIONS
ELECTROSTATIC DISSIPATIVE (ESD) SHEET			
R63	PVC/ABS	Conductive, fire-rated PVC/ABS rigid sheet Applications: Dissipation of electrostatic charges, IC chip carriers, trays and tray dividers, available black only	Meets: Static Decay MIL-B-81705C Meets: NFPA Code 99 Listed: UL 94 V-1 @ > 0.066" Surface resistivity < 10 ⁵ Ω
R64	HMWPE	Conductive HMWPE rigid sheet Applications: Dissipation of electrostatic charges, trays, IC chip carriers, fuel container lids, available black only	Passes: UL 94 HB Heat Deflection Temperature (HDT) 195°F Surface resistivity < 10 ⁵ Ω
R632	PVC/ABS	Conductive, fire-rated PVC/ABS rigid sheet Applications: Dissipation of electrostatic charges; Protects internal components from ESD in electronics; Container for explosive devices, available black only	Meets: Static Decay MIL-B-81705C Meets: NFPA Code 99 Listed: UL 94 V-1 @ > 0.058" Listed: UL 94 V-0 @ > 0.090" Surface resistivity < 10 ⁵ Ω
R607	PETG	Internal anti-stat PETG Applications: Medical, electronic and food packaging markets where there is a need to control/minimize static build-up/discharge	Clear and impact resistant Surface resistivity 10 ¹⁰ Ω Roll stock 0.010–0.040"
R608	PETG	Topical anti-stat PETG Applications: Medical, electronic and food packaging markets where there is a need to control/minimize static build-up/discharge and clarity needs to be maintained	Surface resistivity 10 ⁸ –10 ¹⁰ Ω UL 94 HB @ 0.010" and above Roll stock 0.010–0.040"
R637	HIPS	Internal anti-stat HIPS Sheet Applications: Medical, electronic and food packaging markets where there is a need to control/minimize static build-up/discharge	Surface resistivity 10 ¹⁰ Ω Complies with EU and FDA Food Contact Regulations

Spartech products are proudly manufactured within the United States of America.

11650 Lakeside Crossing Ct., Maryland Heights, MO, 63146 • 800-677-4338 • www.spartech.com