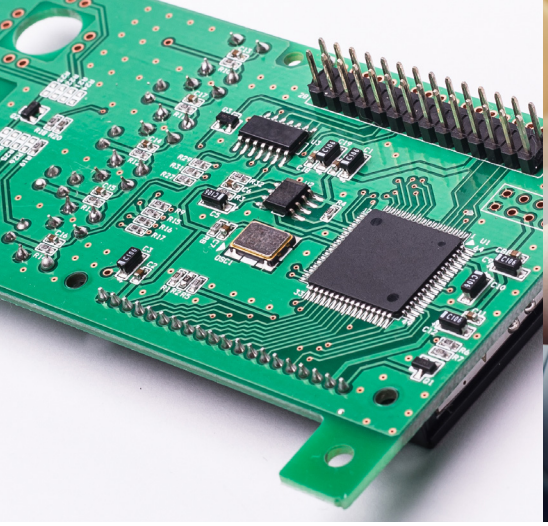

PRODUCT BULLETIN

Cesa™ Stat Antistatic Additives

Cesa™ Stat Antistatic Additives control the buildup of static charges in thermoplastic parts, enabling them to dissipate by absorbing and ionizing moisture from the air, which forms a conductive path for surface static charges. This solution can help avoid static problems, while also improving processability and mold release.

In everyday life, static electricity can be a nuisance. Static charges that build up on the surface of plastic products can attract dust and dirt, cause sheet and film to cling, and cause stacked products to stick together.

In the world of product manufacturing, this can be a major disruption. As polymer material moves through shear-inducing production equipment, positive or negative static charges can build up on the surface. This static buildup can then cause the resulting parts, film or sheet to cling to one another, or stick to the mold or tool.

These static charges can also remain in parts well after production, causing them to attract and collect oppositely charged dust—on an automotive dashboard, for example—or creating unwanted charges on the surface of electrical equipment. In this area, static discharge can also be a fire risk; a sudden discharge of static can damage products like computer chips or even cause a fire or explosion in hazardous areas.

Cesa Stat Antistatic Additives can be combined with other additives or colorants in a single Smartbatch™ concentrate for processing efficiency and ease. They are compatible with a variety of resin systems, as well as many processes including extrusion, injection molding, blow molding, and calendering.

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KEY CHARACTERISTICS

- Eliminates electric charges to maintain good product appearance
- Creates safer, static-dissipated parts for electronics, packaging, military, and healthcare applications
- Improves product appeal by reducing static charge–related dust accumulation
- Reduces the risk of a potential fire hazard in product environments
- Reduces cycle times, maximizes throughput, and lowers operating costs
- Can be combined with other additives or colorants into a single masterbatch
- Compatible with a variety of processes including blow molding, injection molding, extrusion, and film processing
- FDA-approved and bio-based formulations available

MARKETS AND APPLICATIONS

Cesa Stat Antistatic Additives are suitable for any thermoplastic application that could benefit from reduced static buildup, including:

- Automotive under-the-hood components
- Electrical connectors & components
- Medical devices
- Military components
- Laboratory ware
- Consumer packaging

ARE YOU IN A BATTLE WITH STATIC?
Contact one of our experts to learn more about how we can help you to use antistatic additives.

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