



## Ignition Resistant PC/ABS for Equipment Housings

When selecting materials for equipment housings, manufacturers and molders need to consider a number of properties including durability, flammability appearance and processing. A balance of these properties results in equipment that maintains its integrity and appearance over time.

EMERGE™ PC/ABS 7700 Advanced Resin is a cost effective solution for powered equipment housings in a broad range of application areas. These areas include consumer electronics, information technology equipment (ITE), gas meter housings and medical equipment where a number of key properties are needed. The material also can be made available in custom colors.

### Advantages and Benefits

#### Durability and Toughness

- Material provides outstanding toughness and impact strength for the most demanding applications, including ductility down to -30°C

#### Non-Halogenated Ignition Resistance

- UL ratings of V-0 at 1.5mm, 5VA @ 2.5mm and 5VB @ 2.0mm provide greater flexibility for parts design while providing an assurance of compliance with safety standards
- The material is designed without the use of chlorinated or brominated ignition resistant additives

#### Improved Processing

- EMERGE™ PC/ABS 7700 Advanced Resin is designed with improved thermal stability so that a broader processing window can be utilized while maintaining impact strength
- The material maintains its impact strength at high processing temperatures, while traditional similar grades embrittle

#### Aesthetics

- UV stabilized so that parts maintain their original color and appearance over time
- State-of-the-art color matching capabilities enable custom color development and design of parts

### Focused on Meeting Your Needs

EMERGE™ PC/ABS 7700 Advanced Resin is designed for housing applications that require a UL V-0, 5VA or 5VB flammability rating. EMERGE™ PC/ABS 7710 Advanced Resins, another grade in the series, is available when UV protection is not a requirement. In addition, enhanced hydrolysis resistant versions can be made available for those applications requiring long-term resistance to hot and humid environments. Either way, Trinseo collaborates with customers so that the materials selected meet the specific needs of each application, including property performance, part design, manufacturing specifications and regulatory requirements.

**The material joins Trinseo's ever growing portfolio.** It complements our EMERGE™ PC/ABS 7570 Advanced Resins, EMERGE™ 9000 series of chemical resistant materials, and MAGNUM™ ABS Resins providing customers with the ability to select the most appropriate resins for specific components of an application and control system costs.

For more information on these products as well as our CALIBRE™ Polycarbonate Resins, contact us at 1-855-TRINSEO, or visit us online at <http://www.trinseo.com>.



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