



## Introduction

### Committed to the Smart Meter Industry

Trinseo offers a product portfolio tailored for various smart meter parts:

- **EMERGE™ PC 4350** is a transparent polycarbonate resin designed to meet stringent requirements for outdoor applications. It meets UL-94 V-2 at 0.5mm and f1 rating.
- **EMERGE™ PC 8330** is a transparent ignition resistance polycarbonate for producing clear windows, giving visibility to the meter data.
- **EMERGE™ PC 8230** is an opaque ignition resistance resin that can be used for smart meter casings requiring excellent toughness and aesthetics, providing highly tamper-resistant exterior housing.
- **EMERGE™ PC 8701HH** was developed specifically for the terminal block and casings of smart meters, one of the technologies designed to help achieve reductions in energy usage and carbon dioxide emissions.

**EMERGE™ PC 8701HH** is a glass-reinforced, ignition-resistant polycarbonate solution for smart meters, that:

- offers excellent high heat resistance
- simplifies the production process
- helps customers to meet the European safety requirements
- provides a cost saving solution

### EMERGE™ PC 8701HH Advantages and Benefits

#### Making smart meters simpler

EMERGE™ PC 8701HH is designed to meet the varied, stringent requirements for the terminal block, the case and internal parts for smart meters in one single resin.

#### EMERGE™ PC 8701HH:

- has a glow wire temperature resistance of 960°C, offering a high heat distortion temperature under load. It can be used in the terminal block, which has direct contact with live wires.
- can help make the casing of smart meters tamper-resistant in order to reduce potential of metering fraud.
- is available in customized colours and offers good surface aesthetics, a new requirement for smart meters.

#### Saving production costs

The use of only one product (EMERGE™ PC 8701HH) for the terminal block, the case and internal parts can help simplify the production process and can lead to costs saving!



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