



Fire Behavior Assessment

HORIZONTAL BURNING TEST FOR PLASTICS

KEY WORDS

COMBUSTIBILITY,
FLAMMABILITY,
ASTM D635

DESCRIPTION

The combustion behavior of plastic materials in a horizontal position is evaluated, determining the rate, extent, and duration of burning according to ASTM D635. This test is fundamental for classifying materials according to their flammability (e.g., HB - Horizontal Burning) and is a key requirement for components in the automotive, appliance, and construction industries, ensuring compliance with fire safety regulations.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Determination of the combustion rate and/or extent and combustion time of plastics in a horizontal position according to ASTM D635

APPLICATIONS

- Materials for car interiors
- Housings and components for electrical and electronic equipment
- Insulation for construction
- Toys and consumer goods
- Furniture and textiles
- Plastic pipes and profiles

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