

# Ash Content Analysis

## DETERMINATION OF INORGANIC CONTENT IN PLASTICS



### KEY WORDS

ASH CONTENT,  
INORGANIC FILLERS,  
ASTM D5630

### DESCRIPTION

The weight percentage of inorganic filler (ash) in a polymeric material is determined according to ASTM D5630. The procedure involves calcining a sample at high temperature in a muffle furnace to completely burn off the polymer matrix, leaving only the inorganic residue (e.g., fiberglass, mineral fillers). This test is essential for verifying the composition of composite materials, controlling the quality of raw materials, and ensuring that the product meets formulation specifications.

### AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Determination of ash content according to ASTM D5630

### APPLICATIONS

- Plastics reinforced with fiberglass or carbon fiber
- Polymers with mineral fillers (talc, calcium carbonate)
- Masterbatch quality control
- Verification of composition in recycled plastics
- Analysis of inorganic additives

### CONTACT US

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