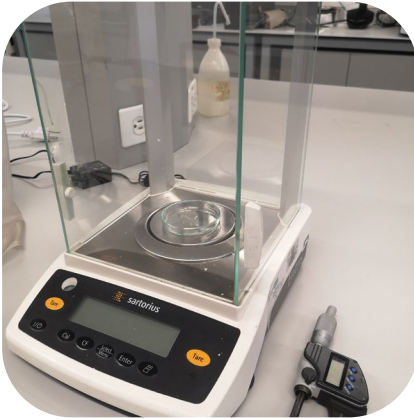


# Determination of Foam Density

## APPARENT DENSITY OF CELLULAR PLASTICS



### KEY WORDS

DENSITY,  
RIGID FOAMS,  
ASTM D1622

### DESCRIPTION

The apparent density of cellular polymeric materials is determined according to the procedure of the international standard ASTM D1622. Density is a critical property for these materials, as it is directly related to their mechanical properties (compressive strength) and thermal insulation. This test is essential for quality control in foam production, product classification, and ensuring that the material meets design specifications.

### AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Determination of foam density according to ASTM D1622

### APPLICATIONS

- Rigid polyurethane foams (PUR/PIR)
- Expanded and extruded polystyrene (EPS/XPS)
- PVC, PET and other polymer foams
- Thermal insulation materials for construction
- Lightweight components for automotive and packaging
- Cores for sandwich structures (composites)

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