

KES

Analysis of Plastic for Ethylene Vinyl Acetate

KES T – M241

(EST.) 1992 – 06 – 03

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1. Scope of application

This standard shall prescribe qualitative analysis and quantitative analysis of ethylene vinyl acetate in plastic material.

2. Summary of method

Analyze ethylene vinyl acetate by DSC (Differential scanning calorimetry) that is kind of thermal analysis equipment.

3. Equipment

(1) Thermal analysis

Differential scanning calorimetry (DSC)

4. DSC (Differential scanning calorimetry) analysis

(1) Summary

This method is for measuring temperature and heat flow related to transition of plastic material cooling value, heating value, Glass transition temperature, Specific heats, heat stability, hardening, purity of plastic material (EVA), etc according to change of temperature and time.

(2) Type and principle

① Heat flux type

Preserve constant temperature by heat exchange with heat sink of larger heat capacity than that of sample.