

LOSS ON HEATING OF OIL AND ASPHALTIC COMPOUNDS

Effect of Heat and Air on Asphaltic Materials (Thin Film Oven Test)

Test Method

Determines the effect on asphaltic materials of heating in an oven under prescribed conditions. The results are reported in terms of change in sample mass and/or changes in selected properties such as viscosity, penetration and ductility as evidenced by test data taken before and after the oven cycle.

Asphalt Oven

Dual purpose oven for loss of heat test and thin film test for bitumen and asphaltic materials. Interior chamber of stainless steel and stored powder painter steel exterior. Double glazed window in door for viewing test chamber.

Side mounted controls comprise microprocessor digital control, independent overheat thermostat, main switch and indicator lamps. Two rotating platforms supplied to perform both the tests.

Specifications

Conforms to the specifications of:

ASTM D6, D1754; Specification E145, Type 1B; AASHTO T47, T179, BS2000

Temperature Range: to 356°F (180°C)

Pre-set at 163°C ± 1°C

Electrical Requirements: **CE**

110V 60Hz

220V 50Hz

Dimensions

Internal Chamber Dimension 38cm(H) x 52cm(W) x 46cm(D)

External Dimension 57cm(H) x 87cm(W) x 63cm(D)

(External Dimension does not include motor or handle)

Net Weight: 44kg



K45850 Loss on Heat / Thin Film Oven

Ordering Information

| Catalog No. | | Order Qty |
|--------------------|---|-----------|
| K45850 | Loss on Heat/Thin Film Oven for D6, D1754 110V, 60Hz | 1 |
| K45859 | Loss on Heat/Thin Film Oven for D6, D1754 220V, 50Hz | |
| Accessories | | |
| 388-001-003 | Sample Container for ASTM D6 | 9 |
| K17000 | Thin Film Oven Pan, aluminum for D1754 | 4 |
| K17090 | Thin Film Oven Pan, stainless steel for D1754 | 4 |