

Product Name :
Rolling Thin Film Oven

Product Code :
NLAB-BTMENLAB150021



Description :

Rolling Thin Film Oven

Technical Specification :

The super paver PG binder specification looked for tests which would closely simulate field performance. Hotmix asphalt binder experiences significant aging during the manufacturing and laying process. Investigating this phenomenon within a laboratory environment, with a repeatable and simple test is very useful within the design process. The rolling thin film oven (RTFO) test is used to measure the effect of heat and air on a moving film of semisolid asphalt binder. The results of this treatment are determined from measurements of the binder properties before and after the test. Repeatability of the test is directly related to the accuracy with which the oven temperature can be maintained and the reproducibility of the thermal rise time of the system.

Rolling Thin Film Oven

Technical Specifications:

Construction : Double-walled construction, interior corrosion resistant stainless steel and exterior mild steel duly painted

Insulation : 75 mm of high density fiberglass insulation

Temperature display : Measured temperature – 4 digit red LEDs

Temperature Controller : PID Controller

Thermal Protection : Prevents oven from overheating in the event of control failure

Temperature Range : Ambient to 200°C

Temp. Control Accuracy : 0.5°C

Vents : Double exhaust vents for dissipation of expended volatile from specimen

Air Flow Adjustment : Needle valve (long taper)

Air Pressure Gauge : Range 0 – 60 PSI

Heat Exchanger : 5/16 inch dia. copper tube

Electrical Supply : 230 V AC 50 Hz single phase

Dimensions : H 381 mm X W 483 mm X D 445 mm $\pm$ 13 mm

Rotating Speed : 15R $\pm$ 0.2R / Min.

Timing Device : 85 Min Alarm

Specimen Qty : 8 Nos

Ambient Temp. : 5~50°C

Power Supply : 220 VAC, 50 HZ

Power Rating : 2.6 KW

Estimated Weight : 100 Kg

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