

Dropping Point of Lubricating Grease



Dropping Point Apparatus

- Conforms to ASTM D566, D4950 and related specifications

Performs dropping point determinations on lubricating greases at temperatures of up to 550°F (288°C). Consists of dropping point cup, test cell with accessories and oil bath with stirrer and heater. Test cell is immersed in a 400mL Borosilicate Glass bath for heating at the prescribed rate. A 750W variable stepless control heater and 1/40hp stirrer permit accurate, uniform control of bath temperature rate of rise. Heater assembly includes refractory top plate and reference dial.

Included Accessories

Grease Cup, chromium plated brass
Test Tube with indentations
Cork Ring Guide
Thermometer Corks (2)
Thermometer Depth Gauge
Polished Metal Rod
Connecting Hardware

Dimensions

l x w x h, in. (cm)
9.5 x 8 x 22.5 (24 x 20 x 57)
Net Weight: 24 lbs (10.9kg)

Shipping Information

Shipping Weight: 30 lbs (13.6kg)
Dimensions: 3.1 Cu. ft.



Test Method

Dropping point determinations are used for identification and quality control purposes, and can be an indication of the highest temperature of utility for some applications. The sample is heated at a prescribed rate in a precision machined cup whose sides slope toward an opening at its center. The temperature at which a liquid drop first falls from the cup is the dropping point of the sample.

Specifications

Conforms to the Specifications of:

ASTM D566, D4950; IP 132; ISO 2176; DIN 51801; FTM 791-1421

Maximum Temperature: 550°F (288°C)

Bath Medium: A high temperature heat transfer fluid having a flash point in excess of 400°C is recommended. Silicone fluid (p/n 355-001-002) is suitable.

Electrical Requirements: **CE**

115V 60Hz, Single Phase, 6.5A

220-240VAC, 50/60Hz, Single Phase, 3.4A

Ordering Information

Catalog No.

K19404	Dropping Point Apparatus 115V 60Hz
K19494	Dropping Point Apparatus 220-240V 50/60Hz
Accessories	
250-000-02F	ASTM 2F Thermometer. <i>Range: 20 to 580°F</i>
250-000-02C	ASTM 2C Thermometer. <i>Range: -5 to +300°C</i>
K194E7	Cup Plug Gauge
K194E6	Polished Metal Rod
K194EA	Grease Cup
K19492	Test Tube with Indentations
K19493	Thermometer Cork
K19499	Cork Ring Guide
355-001-002	Silicone Heat Transfer Fluid, 1 gallon

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