

# Dropping Point of Lubricating Grease



## 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

## 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 lwxh,in.(cm)

9.5 x8x22.5 (24x20x57)  
Net Weight: 24 lbs (10.9kg)

## Shipping Information

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



## Ordering Information

### Catalog No.

**K19404** Dropping Point Apparatus 220-240V  
50/60Hz

**K19494** Dropping Point Apparatus 220-240V  
50/60Hz

### Accessories

**250-000-02F** ASTM 2F Thermometer.  
*Range: 20 to 580°F*

**250-000-02C** ASTM 2C Thermometer.  
*Range: -5 to +300°C*

**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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