

Softening Point of Bitumen (Ring-and-Ball Apparatus)

test method

The sample is cast in shouldered rings and heated at a controlled rate under the weight of a steel ball. The softening point is the temperature at which the bitumen disks soften and sag downward a specified distance.

softening point apparatus

• Conforms to ASTM D36 and related specifications
Consists of 800mL beaker, 2 standard balls, shouldered rings, ball centering guides, ring holder, bottom plate and beaker cover with support rods. Order thermometer and heater separately.

ordering information

catalog no.	description	
K80000	Softening Point Apparatus	1
	accessories	
K42000	Powertrol Heater 1000W heater with variable stepless control and porcelain refractory top plate with positioning well for beaker. Enclosed in a stainless steel housing with cooling vents, Shipping Weight: 8 lbs, 14 oz (3.6kg). 115V 60Hz	
K42090	Powertrol Heater, 220-240V 50/60Hz	1
250-000-15F	ASTM 15F Thermometer, Range: 30 to 180°F	1
250-000-15C	ASTM 15C Thermometer, Range: -2 to +80°C	1
250-000-16F	ASTM 16F Thermometer, Range: 85 to 392°F	
250-000-16C	ASTM 16C Thermometer, Range: 30 to 200°C	
K80001	Ring. Brass, shouldered ring conforming to ASTM specifications. Pack of 10	
K80002	Ball. Hardened steel, conforming to ASTM specifications. Pack of 10	
K80003	Ball-Centering Guide	



K80000 Ring-and-Ball Apparatus

specifications

Conforms to the specifications of:
ASTM D36, E28; AASHTO T53;
IP 58, 198; NF T 66-008

Shipping Information

Shipping Weight: 4 lbs (1.8kg)