

RDC-159

NameSOFTENING POINT METTLER

Material type

GRANULAR  
PITCH  
ELECTRODES  
LINING

Utilization

R&D  
IN-PLANT  
LAB

General description

The softening point of the binder corresponds to its change from solid to liquid state. It is one of the main properties to qualify the binder, as it is usually a production target for the pitch producer and impacts most of the other binder properties. Its level should be chosen to remain below the limits of the thermal capacity of the paste plant to ensure optimum processing conditions.

The measurement is conducted with the RDC-159 apparatus, where a pressed sample (prepared with the RDC-182 apparatus) is placed in a preheated furnace. The temperature is increased with a given heat-up rate until the softened material interrupts a light barrier below the sample. The softening point Mettler is directly read from the display of the equipment and reported in °C.

Technical information

Standard Method:	ISO 5940-2
Property:	Softening Point Mettler [°C]
Maximum Temperature:	400°C
Sample:	Pitch pressed in a cup
Process Time:	~ 15 minutes
Installation:	Workbench
Dimensions (LxWxH):	20 x 32 x 22 cm
Weight:	5 kg
Electrical Property:	230 V 1/N/PE, 50 Hz 0.9 kW, 4 A
Certified Reference Material:	RDC 1159
Database Connection:	No

Additional Recommended Equipment:  
Mettler Sample Press (RDC-182)



Mettler Toledo TM

RDC 1159

Technical information

Weight per unit:	5 g
Number of tests:	3

