

RDC-159

Name SOFTENING 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:	230V 1/N/PE, 50 Hz 0.9 kW, 4 A
	Certified Reference Standard:	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

