

RDC-178 Furnace for Coking Value

Pitch can be characterised by various properties. One of these properties is the coking value, which is the residue that is obtained by heating pitch to a temperature of 550 °C. The coking value is related to the density of the binder matrix within the anode structure and therefore responsible for different properties, i.e. apparent density, permeability, thermal conductivity and mechanical properties.

Apparatus for the determination of the coking value of pitch comprising of:

- 1 Muffle furnace with electronic control of the temperature,
- 24 Porcelain crucibles with lid
- 24 Nickel crucibles with lid
- 2 Supports of heat resistant steel – each with can hold up to 12 Crucibles



*Photos and illustrations are not contractual.

Standards	Compatible	ISO 6998
Specifications	Measurement	Coking Value [%]
	Sample	Pitch < 0.25mm
	Sample / test	12
	Process time	~ 4 hours (Heating up and Cooling down)
Configuration	Set up	Workbench
	Dimensions	68 x 78 x 54 cm (LxWxH)
	Weight	80 kg
Facilities	Electrical connection	400V 3/N/PE, 50/60Hz
	Power	5.50 kW
	Ventilation	Fume hood