

3. TEST PROCEDURES

3.1. SANS 10177 – PART 5: 2012 (COMBUSTIBILITY)

For this evaluation, a number of 40 x 40 mm samples was prepared and in turn placed on a sample holder and lowered into the standard **SANS 10177-5** electrically-heated furnace, which has been pre-set to have a furnace enclosure temperature of 750 °C. The standard test duration is 10 minutes.

The test criteria for non-combustibility are that the specimen should neither increase the furnace enclosure temperature by more than 50 °C nor support flaming continuously for more than 10 seconds during the exposure period. Should either of these criteria not be met, the material will be regarded as combustible at 750 °C.

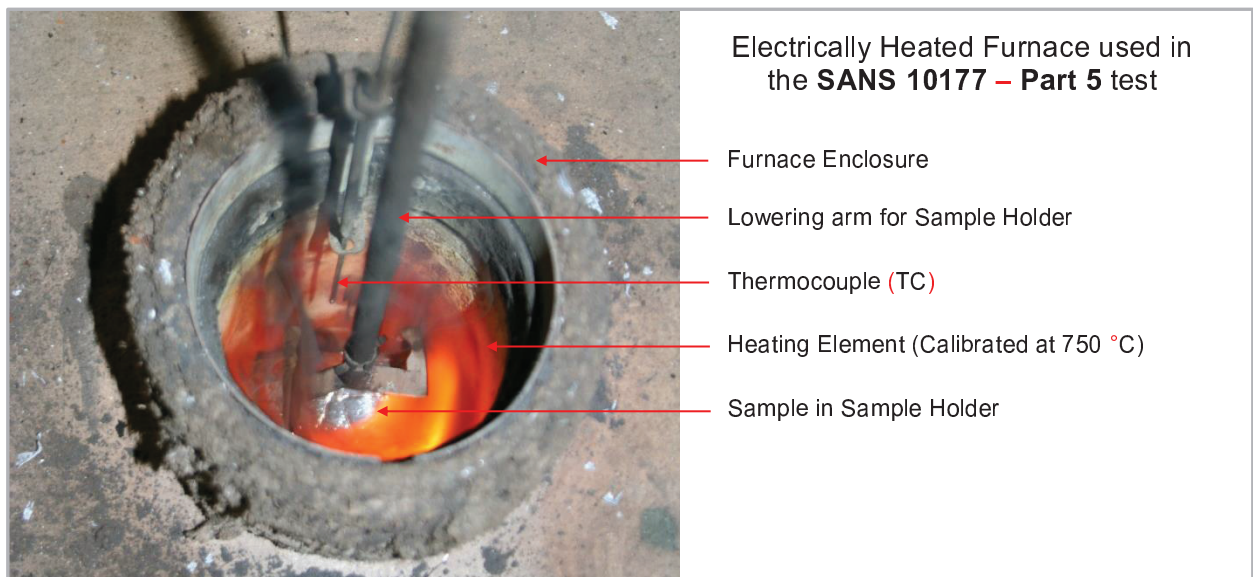


Figure 3.1.1: Electrically Heated Furnace used in the **SANS 10177 – Part 5** test