

4. TEST RESULTS

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

Should the furnace enclosure temperature be raised above 800 °C or the material support flaming for longer than 10 seconds during the exposure period, the material will be regarded as combustible at 750 °C.

Table 4.1.1 below gives the individual burn times and heat contribution for the 6 specimens tested within the **SANS 10177 – Part 5** facility.

Isofoam South Africa (Pty) Ltd – IsoBoard (32 – 36 kg/m ³)				
Sample number	Time to ignition (mm:ss)	Time to extinguishment (mm:ss)	Burn time (mm:ss)	Heat Contribution (°C)
1	00:03	00:30	00:27	< 50
2	00:02	00:32	00:30	< 50
3	00:06	00:34	00:28	< 50
4	00:06	00:34	00:28	< 50
5	00:07	00:39	00:32	< 50
Classification:			Combustible	

Table 4.1.1: Combustibility results from the **SANS 10177-5** test

The material would therefore be regarded as combustible at 750 °C given that the burn times did exceed 10 seconds. The furnace enclosure temperature was not however increased by more than 50 °C.