

Background Information on Test Methods

All of this season's Wilko Halloween products (children's and adult costumes) have been rigorously tested and have passed the relevant nightwear flammability standards, either BS5438 / BS5722 or BS EN14878. The testing requires a garment to be set alight at six different points on the outfit and the time it takes for the flame to travel specific distances is recorded. For the products to comply with the regulations, the speed that the flame travels must be below a specific limit.

BS EN14878

6. **Flame application time:** 10 seconds.
1. **Method applied to:** Dress up costumes with top and trousers/pants
2. **Pre-treatment:** Samples are tested in original state only without washing.
3. **Specimen size:** 560 mm length and 170 mm width.
4. **No. of specimens:** 3 in length direction & 3 in width direction of the sample
5. **Testing:** Samples are positioned vertically as shown in below Fig.1. The 220 mm and 520 mm marker threads are used to assess the time of flame spread.

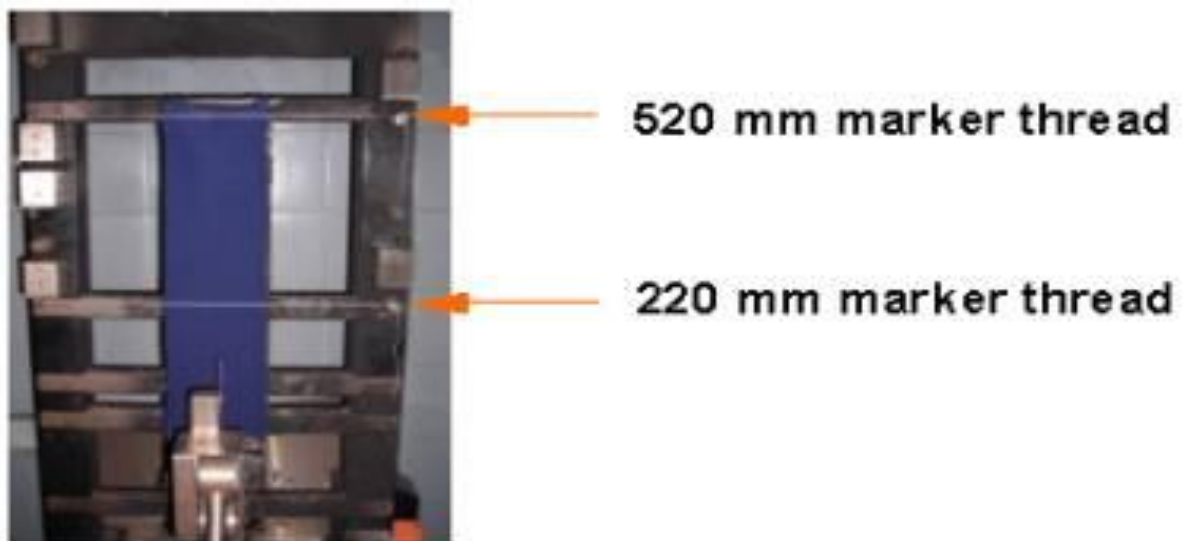


Fig.1

BS 5438/BS 5722

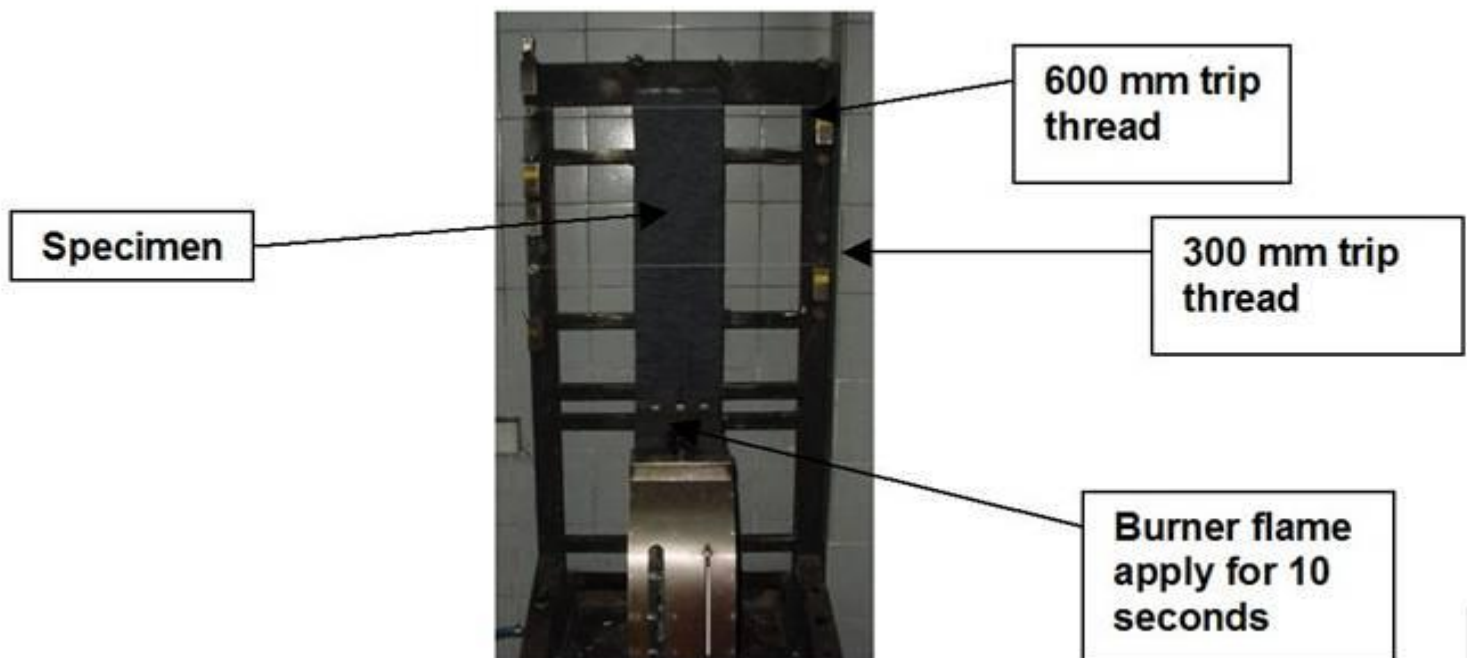
1. Method applied to: Costumes with a dress

2. Pre-treatment : Samples are tested after 1 wash.

3. Sample size: 670 mm length and 170 mm width

4. No. of samples tested: 3 in length direction & 3 in width direction of the samples.

5. Testing: Samples are positioned vertically as shown in the diagram below. The 300 mm and 600 mm marker threads are used to assess the time of flame spread.



6. Flame application time: 10 seconds

7. Approval Criteria:

- (a) None of the six specimens shall sever the 300 mm trip thread in less than 25 seconds.
- (b) None of the six specimens shall sever the 600 mm trip thread in less than 50 seconds.