



Laundry Technology Centre

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Our ref: TA 263
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12 March 2004

Dear Sirs

Re: Two mop heads received 11/03/04

Thank you for sending us the above item and we report as follows:

1. LTC were supplied with two microfibre mop heads. One of the mop heads was in a new condition; the other mop head had been subjected to one hundred and fifty OTEX laundering cycles.
2. LTC were requested to carry out tensile strength testing on the two items, the results are given below:

Tensile properties of Yarns– In-house method

3. Ten specimens were tested from each mop head according to an in-house method devised specifically for this test. Determination of maximum force using the mop head single yarn strength method.
4. Testing was carried out on a constant-rate of extension (CRE) testing machine, with a gauge length of 30mm and 20mm/min rate of extension. The results are shown in the table below.

Property	New	Laundered
Mean Tensile Strength N	65.2	57.6

Comments

5. As can be seen from the results, the tensile strength of the laundered sample has only decreased by 7.6 N, or 11.6%. In the opinion of LTC, given that this item has been subjected to 150 wash cycles, this loss of strength is minimal and is unlikely to be detrimental to the performance of the mop head.

Yours faithfully
for Laundry Technology Centre
Richard Neale
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Laundry Technology Centre