

## Autoclave Test Report

### PRODUCT

Telescopic Handle

### Composition

Top grip area: Thermo Plastic Elastomer  
Glossy mid grey areas: Polypropylene  
Mid grip: Polypropylene  
Welded aluminium tube



### TEST CONDITIONS

#### Autoclave

Varioklav 135 S, steam sterilizer, single pre-vacuum, usable volume 135 litres

#### Test Parameters

121°C for 20 minutes  
Pre-vacuum: 20 kPa  
Cooling-down of product between autoclaving cycles

### RESULT

After 80 autoclaving cycles the Telescopic Handle does not show major damages and is still usable. Just the lower grip of the long telescopic handle could get out of position and the inner screw becomes a bit loosen.



Photo 1: Telescopic Handle frame after 80 cycles



Photo 2: Inner screw becomes a bit loosen

### ADDITIONAL COMMENTS

- This test was done in the laboratory of Freudenberg HP KG, Corporate Technical Centre.
- The product was not used for cleaning between autoclaving cycles.
- Different conditions at the customer can lead to a different result.

**Date: 2007/10/11**