



DANISH
TECHNOLOGICAL
INSTITUTE

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Test Report

- Material:** Cutting of upholstery fabric, designated: Stripes by Maharam
Composition: 92 % New Wool and 8 % Nylon worsted yarn.
(Customers information).
Approx. mass per unit area: 390 g/m²
- Sampling:** The material was submitted by the assignor and received on Danish Technological Institute 27 March 2009
- Method:** Testing of flammability of interior materials used in the occupant compartments of motor vehicles according to FMVSS No. 302 (Federal Motor Vehicle Safety Standard). Horizontally test: The exposed side of the test specimen is subjected to a methane gas flame from underneath.

Details of the test are given on page 2.
- Period:** The testing was completed 02 April 2009
- Results:** According to the requirements of flammability specified in FMVSS No. 302, Clause S4.3 the upholstered fabric specimen **meets** the requirements for passing.
- Terms:** The test was performed according to the rear side conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract.

07 April 2009, Danish Technological Institute, Textile

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Material under test: Cutting of upholstery fabric, designated: Stripes by Maharam
 Composition: 92 % New Wool and 8 % Nylon worsted yarn.
 (Customers information).

Method: Testing of flammability of interior materials used in the occupant compartments of motor vehicles according to FMVSS No. 302 (Federal Motor Vehicle Safety Standard). Horizontally test: The exposed side of the test specimen is subjected to a methane gas flame from underneath. The flame is applied for 15 sec. and then removed. The timing device is started when the flame reaches the timing zone mark.

Specimens were cut in each of the direction of the fabric length and width.

Conditioned for 24 hours at 22 °C and 50 % RH

Five specimens in each fabric directions were tested.

Results, continued:

| Direction | T Time in sec. for the flame to travel length, D | D Length the flame travels in inches | B Burn rate in inches per minute B = 60*(D/T) |
|---|--|---|--|
| Length | SE | - | T < 60 sec. D < 2 inches Meets requirement. |
| | 18 | 0,1 | |
| | SE | - | |
| | 17 | 0,3 | |
| Average, length | - | - | |
| Width | SE | - | T < 60 sec. D < 2 inches Meets requirement. |
| | SE | - | |
| | 9 | 0,1 | |
| | SE | - | |
| Average, width | - | - | |
| SE = Self Extinguishing - before start of timing. | | | |
| Requirements for passing | Material shall not burn, or transmit a flame front across its surface, at a rate of more than 4 inches/min. However, if a material stops burning before it has burned for 60 sec. from the start of timing and has not burned more the 2 inches from the point where timing was started, it shall be considered to meet this requirement. | | |

The upholstered fabric specimens meet the requirements for passing.