

Handled by, department
Ida Larsson
Fire Technology
+46 33 16 53 67, ida.larsson@sp.se

Elmo Leather AB
512 81 SVENLJUNGA

Ignitability of upholstered furniture according to EN 1021-1:2006 and EN 1021-2:2006 (1 appendix)

Product

Upholstered furniture combination consisting of:

Black cover material called "Elmonordic". Semi-Aniline leather with nominal thickness 1.3 - 1.5 mm. Lightly pigmented finish, chrome tanned leather from Scandinavian cattle hide.

The cover material was tested with filling material consisting of non flame retardant standard polyether foam with nominal density 21 kg/m³.

Manufacturer

Cover material: Elmo Leather AB, Svenljunga, Sweden.

Polyether foam: Recticel AB, Gislaved, Sweden.

Purpose of test

Basis for technical fire classification.

Sampling

The cover material was delivered by the manufacturer. It is not known to SP Fire Technology if the product received is representative of the mean production characteristics.

The cover material was received on November 9, 2006 at SP Fire Technology.

SP Swedish National Testing and Research Institute

Postal address
SP
Box 857
SE-501 15 Borås

Office location
Västeråsen
Brinellgatan 4
Borås

Phone / Fax / E-mail
+46 33 16 50 00
+46 33 13 55 02
info@sp.se

Laboratories are accredited by the Swedish Board for Accreditation and Conformity Assessment (SWEDAC) under the terms of Swedish legislation. This report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Test results

The upholstery combination was tested with cigarette (EN 1021-1) and match flame equivalent (EN 1021-2) as ignition sources.

The ignition sources were applied in a position along the junction between seat and back. Special care was taken to note any progressive smouldering and/or flaming combustion in the combination.

The test results are given in appendix 1.

The test results relate only to the ignitability of the combination of upholstery composites under the particular conditions of the test; they are not intended as a means of assessing the potential fire hazard of the materials or products in use.

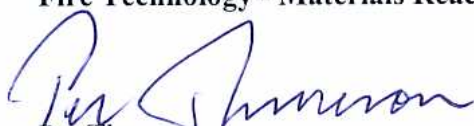
Criteria

Section 3 in EN 1021-1 and EN 1021-2, 2006 describing "Criteria of ignition" with regards to "Progressive smouldering ignition" (3.1) and "Flaming ignition" (3.2).

Assessment

The tested furniture upholstery combination, consisting of cover material called "Elmonordic", together with standard polyether foam with nominal density 21 kg/m³ meets the technical fire requirements according to EN 1021-1 and EN 1021-2.

SP Swedish National Testing and Research Institute Fire Technology - Materials Reaction to Fire



Per Thureson
Technical Manager



Ida Larsson
Technical Officer

Appendix

1 Test results