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Object:	To test flammability properties of a curtain material.
Test material:	<p>One product according to the descriptions below was sent to IFP Research by the client.</p> <p>Cinq 3162 is a gray curtain produced in Trevira CS. The area weight is 133 g/m². The product is not intended to be wet or dry cleaned.</p> <p>The test material was received 2003-02-04 The commission was performed 2003-03-05--12.</p>
Procedure:	<p>The test was carried out according to NFPA 701:1999, <i>Standard Methods of Fire Tests for Flame Propagation of Textiles and films</i>. Test method 1 was used.</p> <p>According to the client this material has no specific front or backside. It can also be hung in different directions. Specimens were therefore taken in both length and width direction. Half of these specimens were tested from one side and half of them from the other. See also results. The product was tested as received. The preconditioning was made in an oven at 105 °C. The tests were carried out at 20-22 °C with 35-50 % RH.</p>

Results: Burning behaviour.

Cinq 3162

Test specimen	Weight before test, g	Weight after test, g	Weight reduction %	After-flame time, s	Debris, burning time, s	Observations
1*	8,48	8,34	1,7	0	-	Drops with no burning
2*	8,44	7,78	7,8	0	-	
3*	8,30	7,75	6,6	0	-	
4**	8,31	8,22	1,1	0	-	
5**	8,27	7,84	5,2	0	-	
6*	8,40	7,02	16,4	0	0	Burning drops which extinguish quickly
7*	8,37	7,69	8,1	0	0	
8**	8,31	8,09	2,6	0	-	
9**	8,31	8,19	1,4	0	-	
10**	8,31	8,08	2,8	0	0	
Mv			5,4			
s			4,7			
Mv+3s			19,5			

Specimens 1-5 were tested in the length direction

Specimens 6-10 were tested in the width direction

* Tested from side A

** Tested from side B

Since the mean value of the weight reduction is less than 40 % and the mean value of the burning times of the falling debris is lower than 2 seconds the tested material fulfils the test criterias of NFPA 701, Test method 1.

Since no individual result of weight reduction was higher than "Mv + 3s" (mean value + 3 standard deviations) there was no need for retesting.

No typical deviations depending on the tested side or the testing direction were observed. This means, that the results are valid for all tested directions and sides.

Mölndal, Februray 17, 2003

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