

Test report

Nr. Q IWQ MBL 734 1109-1.e

Applicant: DuPont de Nemours N.V.
A. Spinostraat 6
2800 Mechelen
Belgium

Test object: Solid surface top "DuPont Montelli"
(Sample supplied by the client)

Commission: Material tests with reference to DIN ISO 4586-2,
: 04.1997; Specifications according to DIN EN 438 - part 1,
: 1991

Statement:

The solid surface top - trademark "DuPont Montelli" were submitted to comprehensive material tests with reference to DIN ISO 4586-2.

The scope of testing was the determination of material parameters, thermic loads and mechanic requirements.

The test report FE K 04075H021 of the material parameters dated: March 01, 04, the report UB Nr. 0411048-03 on the results of the DIN 51 130 requirements (inclined plane) dated: March 02, 04 and the report Q EMA SMG 814 1131 on electric conductivity according to DIN EN 6134051 dated: March 08, 04 constitute part of the complete test.

In summary it may be stated that all parameters determined under test conditions satisfy the requirements for classification HDS (Horizontal Heavy Duty Standard) DIN EN 438 - part 1.

For more details on test methods and test results see the following pages.

Nuernberg, 22.04.04
Q IWQ MBL/ hy/di/şe

LGA - QualiTest GmbH
Furniture Testing Institute


Dipl.-Ing. (FH) R. Heym



Test engineer:


Dipl.-Ing. (FH) H.-R. Dietz

This test report consists of 13 text pages.

Survey on test results.

ID	Property	Test method	Montelli Alpha	Montelli Ultra	Montelli Basic
A	Flexural strength MPa		50,4	68,0	61,4
	Flexural E- Modulus MPa	DIN EN ISO 178	9 500	8 800	9 600
	Flexural elongation %		0,57	0,89	0,69
B	Coefficient of linear thermal expansion %	DIN ISO 4586 T10	> 0,16	> 0,16	> 0,16
C	Density g/cm ³	DIN ISO 1183	1,74	1,71	1,73
D	Moisture absorption	DIN ISO 4586 T 7			
	Thickness %		0,23	0,54	0,24
	Weight %		0,18	0,15	0,14
	Change of surface		5	5	5
E	Ball impact resistance large ball	DIN ISO 4586 T 12	> 120 cm	> 120 cm	> 120 cm
F	Surface hardness	DIN EN 101	2-3	2-3	2-3
G	Abrasion resistance	DIN ISO 4586 T 6			
	Loss in weight mm ³ / 100 U.		73,540	55,232	74,892
H	UV stability	DIN ISO 4586 T 16	> 6	> 6	> 6
I	Compression strength MPa	EN ISO 604	170	178	168
J	Resistance to dry heat 180 °C	DIN ISO 4586 T 8	5	4	5
L	Thermal shock	UNI 9429	No visible change	No visible change	No visible change
M	Mpaczt strength small ball (N)	DIN ISO 4586 T 11	> 25	> 25	> 25
P	Resistance to cigarette burns	DIN ISO 4586 T 17	2/3	4	2/3
	General tests				
	Slip resistance DIN 51130	Roughness	Group		
		120 μ	R 9		
		150 μ	R 9		
	Elect.discharge	EN 6134251	Ohm		
	Surface resistance		> 10 ¹²		
	Leakage resistance		> 10 ¹²		