

## Composition and Materials:

DuPont™ Montelli® Ultra is composed of Acrylic (PMMA) and Aluminium Trihydrate (ATH) mineral filler.

## Fabrication & Installation:

DuPont™ Montelli® Ultra can be cut to size, routed, thermoformed, joined using inconspicuous seams and sanded.

It should be fabricated and installed according to the recognized guidelines of the solid surface industry in Europe.

## Typical Performance Properties of DuPont™ Montelli® Ultra Sheets:

Property	Typical result	Unit	Testing method	
Density	1,71	g/cm <sup>3</sup>	DIN ISO 1183	1
Flexural strength	68	Mpa	DIN EN ISO 178	1
Flexural modulus	8800	Mpa	DIN EN ISO 178	1
Flexural elongation at break	0,89	%	DIN EN ISO 178	1
Dimensional stability at 20°C (Change of length)	< 0.16	%	DIN EN ISO 4586 T10	1
Impact resistance (Large ball drop)	> 120	cm	DIN ISO 4586 T12	1
Impact resistance (Spring load)	> 25	N	DIN ISO 4586 T11	1
Hardness of surface (Mohs index)	2-3		DIN EN 101	1
Compressive strength	178	Mpa	EN ISO 604	1
Resistance to boiling water - increase in weight	0,15	%	DIN EN 4586 T7	1
Resistance to boiling water - surface change	Grade 5*		DIN EN 4586 T7	1
Resistance to dry heat (@180°C)	Grade 4*		DIN ISO 4586 T8	1
Thermal shock	No visible change		UNI 9429	1
Resistance to abrasion	55	Loss in weight mm <sup>3</sup> /100 rev.	DIN ISO 4586 T6	1
Lightfastness (Xenon Arc)	> 6	Blue wool scale	DIN ISO 4586 T16	1
Slip resistance with 120 µm grit	Passes R9 Requirement		DIN 51130	1
Slip resistance with 150 µm grit	Passes R9 Requirement		DIN 51130	1
Electrical discharge - Surface resistance	> 1 x 10 <sup>9</sup>	Ω	DIN IEC 61 340-4-1	1
Fire classification	Euroclass B-s1, d0		DIN EN 13501-1:2002	2
Reaction to fire	Class M2		NF P 92-501	3
Smoke opacity and gas toxicity	Class F0		NF F 16-101	4
NSF Standard for Food Equipment Materials	Certified for Splash Zone		NSF/ANSI 051	5

\* Grade 5: no visible change

\* Grade 4: minor change of shine and/or colour only visible from certain angles of view

\* Grade 3: moderate change of shine and/or colour

\* Grade 2: distinct change of shine and/or colour

\* Grade 1: surface damage and/or blistering

(1) Test Report Q.IWQ MBL 734 1109-1 from LGA - Germany/04-2004

(2) Classification Report 11690C from Warringtonfireagent - Belgium/08-2005

(3) Classification Report 11890-04 from SME/Group SMPE - France/10-2004

(4) Classification Report 11924-04 from SME/Group SMPE - France/11-2004

(5) Certification from NSF International - U.S.A.

## For more information about DuPont™ Montelli®, please call:

++420 257 414 213 (Central & Eastern Europe),  
++30 22950 44020 (Greece),  
++971 4 321 1530 (Pakistan, Middle East, Africa, Malta & Cyprus),  
++48 22 320 0900 (Poland),  
++40 31 62 04 111 (Romania, Bulgaria & Serbia),  
++7 495 797 22 00 (Russia),  
++381 63 265 935 (Serbia, Montenegro, Bosnia and Herzegovina),  
++90 212 340 0400 (Turkey, Israel & Central Asia\*),  
++380 50 310 79 19 (Ukraine),  
++7 727 261 90 28 (Kazakhstan)

\* = Azerbaijan, Turkmenistan, Uzbekistan and Kyrgyzstan

## Headquarters:

Du Pont de Nemours International s.a.

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Photo reference: Cover: Vintage kitchen by Verona Mobili; design Verona; photo Diego Alto for DuPont™ Montelli®.



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