

NOPAPLANK® TECHNICAL DATA SHEET

TECHNICAL CHARACTERISTICS

Technical characteristics	Standard and details of test method		Unit	Performance			
				MD	HD	UHD	HDS
Dimensions - length	EN ISO 1923	nominal 23°C; HD:50%	mm	2750	2750	2750	2000
		lower / upper limit 23°C; HD:50%	%	0,0 / 2,0	0,0 / 2,0	0,0 / 2,0	0,0 / 2,0
		lower - upper limit 23°C; HD:50%	mm	2750-2805	2750-2805	2750-2805	2000-2040
Dimensions - width	EN ISO 1923	nominal 23°C; HD:50%	mm	600	600	600	500
		lower / upper limit 23°C; HD:50%	%	0,0 / 5,0	0,0 / 5,0	0,0 / 5,0	0,0 / 5,0
		lower - upper limit 23°C; HD:50%	mm	600 - 630	600 - 630	600 - 630	500-525
Density	EN ISO 845 eq. ASTM D3575 W	nominal 23°C; HD:50%	kg/m ³	28	35	65	100
		lower / upper limit 23°C; HD:50%	%	-10 / 10	-10 / 10	-10 / 10	-10 / 10
		lower - upper limit 23°C; HD:50%	kg/m ³	25,2-30,8	31,5-38,5	58,5-71,5	90,0-110,0
Compression stress	EN ISO 3386-1 eq. ASTM D-3575 D DIN 53577	1 impression 10% 23°C; HD:50%	kPa	> 32	36	65	97
		1 impression 25% 23°C; HD:50%		> 55	62	100	191
		1 impression 50% 23°C; HD:50%		> 110	147	182	292
		1 impression 70% 23°C; HD:50%		> 220	270	320	570
		4 impression 25% 23°C; HD:50%		> 30	35	40	35
		4 impression 50% 23°C; HD:50%		> 85	102	115	168
		4 impression 70% 23°C; HD:50%		> 205	225	280	490
Tensile strength	EN ISO 1798 eq. ASTM D3575 T	Extrusion direction 23°C; HD:50%	kPa	> 170	195	320	460
		Cross direction 23°C; HD:50%		> 130	145	180	290
Tensile elongation	EN ISO 1798 eq. ASTM D3575 T	Extrusion direction 23°C; HD:50%	%	> 60	60	60	60
		Cross direction 23°C; HD:50%		> 40	40	40	40
Compression set	EN ISO 1856 eq. ASTM D3575 B	22h; 50%, 2h; 23°C; HD:50%	%	< 25	25	20	20
		22h; 50%, 24h; 23°C; HD:50%		< 20	20	15	15
Compressive creep	ISO 7850 eq. ASTM D3575 BB	* 168h; 23°C; HD:50%	%	< 5	5	5	5
		* 1000h; 23°C; HD:50%		< 10	10	10	10
Dimensional stability	ISO 2796 eq. ASTM D3575 S	24h; 70°C	%	< 6,0	5,0	4,7	4,5
		48h; 23°C		> -1,2	-1,0	-0,7	-0,5
Thermal conductivity	ISO 8302 eq. ASTM D3575 V DIN 52612; NBN 62-201	10°C	W/mK	< 0,055	0,053	0,050	0,049
Water absorption	ISO 2896 eq. ASTM D2842	24h; 23°C	Vol. %	< 0,8	0,8	0,8	0,8
		168h; 23°C		< 1,3	1,3	1,3	1,3
		672h; 23°C		< 1,7	1,7	1,7	1,7

* MD-1,25psi HD-2psi UHD-5psi HDS-10psi

Compliance with factory standard ZN 101

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TECHNICAL CHARACTERISTICS – ADDITIONAL

Technical characteristics	Standard and details of test method		Unit	Performance			
				MD	HD	UHD	HDS
ANTISTATIC PRODUCTS - AS (DISSIPATIVE)							
Surface resistance	EN IEC 61340-2-3	Sonde 1 23°C; HD:50%	Ω	< 10^{11}	10^{11}	-	-
				> 10^4	10^4	-	-
Surface resistivity	EN IEC 61340-2-3 eq. ASTM D-257	Sonde 1 23°C; HD:50%	Ω/m^2	< 10^{12}	10^{12}	-	-
				> 10^5	10^5	-	-
OTHER INFORMATION							
Atmospheres for conditioning	EN ISO 291 eq. ASTM D3575	temperature II class min.24h; $\pm 2^\circ\text{C}$	$^\circ\text{C}$	23	23	23	23
		humidity II class min. 24h; $\pm 10\%$	%	50	50	50	50
Validity of properties**	months after production 23°C; HD:50%		month	12	12	12	12
Colour	W-white; D-black; B-blue; Y-yellow; G-green; AS-pink		cat.	W,D,AS	W,D,AS	W; D	W; D

** Only for proper storage and processing.

Validity of antistatic properties – 24 months from date of production.

THICKNESS TOLERANCES

N	LTL / UTL	LTL-UTL	MD / HD	UHD / HDS
mm	%	mm		
50	0,0 / 11,0	50 - 56	✓	✓
60	0,0 / 10,0	60 - 66	✓	✓
70	0,0 / 8,0	70 - 76	✓	✓
80	0,0 / 7,0	80 - 86	✓	
90	0,0 / 7,0	90 - 96	✓	
100	0,0 / 6,0	100 - 106	✓	

N-nominal; LTL-lower tolerance limit; UTL-upper tolerance limit

Other thicknesses are available on individual request.

The product can be 100% recycled.



Compliance with factory standard ZN 101