

## 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 <sup>3</sup>	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 <sup>3</sup>	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	
<b>ANTISTATIC PRODUCTS - AS (DISSIPATIVE)</b>							
Surface resistance	EN IEC 61340-2-3 Sonde 1 23°C; HD:50%	Ω	<	10 <sup>11</sup>	10 <sup>11</sup>	-	-
			>	10 <sup>4</sup>	10 <sup>4</sup>	-	-
Surface resistivity	EN IEC 61340-2-3 eq. ASTM D-257 Sonde 1 23°C; HD:50%	Ω.m <sup>2</sup>	<	10 <sup>12</sup>	10 <sup>12</sup>	-	-
			>	10 <sup>5</sup>	10 <sup>5</sup>	-	-
<b>OTHER INFORMATION</b>							
Atmospheres for conditioning	EN ISO 291 eq. ASTM D3575 temperature II class min.24h; ±2°C	°C	23	23	23	23	
		humidity II class min. 24h; ±10%	%	50	50	50	50
Validity of properties**	months after production 23°C; HD:50%	mth	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