

NOPA SMART TECHNICAL DATA SHEET

TECHNICAL CHARACTERISTICS

Technical characteristics	Standard and details of test method	Unit	Performance		
				HD	
Dimensions - length	EN ISO 1923	nominal 23°C; HD:50%	mm	2750	
		lower / upper limit 23°C; HD:50%	%	0,0 / 2,0	
		lower - upper limit 23°C; HD:50%	mm	2750-2805	
Dimensions - width	EN ISO 1923	nominal 23°C; HD:50%	mm	600	
		lower / upper limit 23°C; HD:50%	%	0,0 / 5,0	
		lower - upper limit 23°C; HD:50%	mm	600 - 630	
Density	EN ISO 845 eq. ASTM D3575 W	nominal 23°C; HD:50%	kg/m ³	35	
		lower / upper limit 23°C; HD:50%	%	-10 / 10	
		lower - upper limit 23°C; HD:50%	kg/m ³	31,5-38,5	
Compression stress	EN ISO 3386-1 eq. ASTM D-3575 D DIN 53577	1 impression 10% 23°C; HD:50%	kPa	>	38
		1 impression 25% 23°C; HD:50%		>	65
		1 impression 50% 23°C; HD:50%		>	120
		1 impression 70% 23°C; HD:50%		>	230
		4 impression 25% 23°C; HD:50%		>	25
		4 impression 50% 23°C; HD:50%		>	90
		4 impression 70% 23°C; HD:50%		>	210
Tensile strength	EN ISO 1798 eq. ASTM D3575 T	Extrusion direction 23°C; HD:50%	kPa	>	190
		Cross direction 23°C; HD:50%		>	140
Tensile elongation	EN ISO 1798 eq. ASTM D3575 T	Extrusion direction 23°C; HD:50%	%	>	40
		Cross direction 23°C; HD:50%		>	25
Compression set	EN ISO 1856 eq. ASTM D3575 B	22h; 50%, 2h; 23°C; HD:50%	%	<	20
		22h, 50%, 24h; 23°C; HD:50%		<	10
Compressive creep	ISO 7850 eq. ASTM D3575 BB	* 168h; 23°C; HD:50%	%	<	5
		* 1000h; 23°C; HD:50%		<	10
Dimensional stability	ISO 2796 eq. ASTM D3575 S	24h; 70°C	%	<	5,0
		48h; 23°C		>	-1,0
Thermal conductivity	ISO 8302 eq. ASTM D3575 V DIN 52612; NBN 62-201	10°C	W/mK	<	0,053
Water absorption	ISO 2896 eq. ASTM D2842	24h; 23°C	Vol. %	<	0,8
		168h; 23°C		<	1,3
		672h; 23°C		<	1,7
Atmospheres for conditioning	EN ISO 291 eq. ASTM D3575	temperature II class min.24h; ±2°C	°C		23
		humidity II class min. 24h; ±10%		%	
Validity of properties**		months after production 23°C; HD:50%	mth		12
Colour		W-white; D-black; B-blue; Y-yellow; G-green; R-red	cat.		W,D,B,Y,R

* HD-2psi

** Only for proper storage and processing.

Compliance with factory standard ZN 101



Jiffy Packaging Sp. z o.o. is entered in the Register of Companies maintained by District Court in Gliwice, X Commercial Division of the National Court Register under no. 0000074987; Company Capital: 22 150 000,00 PLN; TAX ID PL 631-103-49-61; BDO no. 000010284

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DIMENSION TOLERANCES

N	LTL / UTL	LTL-UTL
mm	%	mm
10	0,0 / 30,0	10 - 13
20	0,0 / 13,0	20 - 23
30	0,0 / 11,0	30 - 33
40	0,0 / 8,5	40 - 43
50	0,0 / 6,5	50 - 53
60	0,0 / 5,5	60 - 63
70	0,0 / 4,5	70 - 73
80	0,0 / 3,5	80 - 83
90	0,0 / 3,5	90 - 93
100	0,0 / 6,0	100 - 106

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

The product can be 100% recycled.



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