



NopaPlank®

EXTRUDED planks out of non-cross-linked closed cell PE foam

Technical & Safety Information



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NORM	UNIT	TECHNICAL PROPERTIES NopaPlank®			
EN ISO 845	Kg/m ³	DENSITY	35	35 Anti-Static	65
EN ISO 1798	N/mm ²	TENSILE STRENGTH	- Extrusion direction - Cross direction		
EN ISO 1798	%	ELONGATION AT BREAK	- Extrusion direction - Cross direction		
EN ISO 3386/1	kPa	COMPRESSIVE STRESS	1e impression - 10 % impression - 25 % impression - 50 % impression - 70 % impression 4e impression - 25 % impression - 50 % impression - 70 % impression		
EN ISO 1856	%	COMPRESSION SET	- 22 h/23°C/50 % after 2 h - 22 h/23°C/50 % after 24 h		
ASTM D-3575-BB	%	COMPRESSION CREEP	1000 h/ 23°C	2 psi: < 10	4 psi: < 5
ASTM D-3575-S	%	THERMAL STABILITY	24 h/70 °C	< 5	< 5
NBN B62-201 DIN 52612	W/mK	THERMAL CONDUCTIVITY	10 °C	0,06	0,06
DIN 53428	Vol. %	WATER ABSORPTION	- after 24 h 20 °C/24 h capillary absorption - after 7 days - after 28 days		
BS 4443/1/4		CELL COUNT	cells per 25 mm	≥ 25	≤ 15
IEC 61340-2-3	Ω Ohm	SURFACE RESISTIVITY ⁽¹⁾	23 °C 50 % RH	-	< 10 ¹²
US FEDERAL TEST St. 101C Method 4046	S	STATIC DECAY ⁽¹⁾	23 °C 50 % RH	-	< 2 sec.

(1) The above mentioned antistatic characteristics are valid for 3 years after production date. - NopaPlank® Anti Static contains amines

The information above relies on our knowledge and experience and is assumed to be correct. We do not, however, accept any form of liability or give any guarantee

General Information NopaPlank[®]

- **NopaPlank[®]** - a closed cell non-cross-linked polyethylene foam - is made out of low density polyethylene (LDPE). LDPE is an organic product build up out of the same hydrocarbon bonds as wood, coal and other natural composites.
- **NopaPlank[®]** distinguishes itself by being manufactured free from the ozone damaging fully halogenated Chlorofluorocarbons (CFC's) and partially halogenated Chlorofluorocarbons (HCFC's).
- **NopaPlank[®]** is not cross-linked while extruded and can therefore be easily recycled and taken back into the raw material cycle for re-use.
- The **NopaPlank[®]** temperature range lies between -40°C and +70°C.
- **NopaPlank[®]** conforms to the European guidelines 2002/95/EC (WEEE), 2002/96/EC (RoHS) and 2003/11/EC and therefor contains no lead, cadmium, mercury, hexavalent chromium or polybrominated biphenyls (PBB) and polybrominated diphenylethers (PBDE) or any other product from the lists of these guidelines.
NopaPlank[®] also complies to the demands of the European decree nr. 98-638 and the European guideline 94/64/EC concerning packaging and packaging waste, and this in as far as the specific demands of the customer allow.
- When being incinerated, **NopaPlank[®]** produces a high calorific value without emitting any harmful gases Carbon dioxide and water vapour are released.
- **NopaPlank[®]** has no influence on the quality of the ground.





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Each NopaPlank® production batch is tested on various specification, including:

- Density
- Dimensions
- Compression resistance
- Compression set
- Cell count

NopaPlank® batches are only released when the plank complies with all pre-set properties.



Safety Data Sheet

according to EC-Directive 2001/58/EC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	NopaPlank®
INTENDED USE	Non-cross linked, closed celled Polyethylene foam Packaging
SUPPLIER	Jiffy Packaging N.V. - Bodemstraat 11, 3830 Wellen, Belgium
EMERGENCY TELEPHONE	Tel: +32 (0)11 370111 / Fax: +32 (0)11 370290 www.jiffypackaging.be

2. COMPOSITION / INFORMATION ON INGREDIENTS

NAME	Polyethylene
CAS NUMBER	CAS 026221-73-8

3. HAZARDS IDENTIFICATION

With proper use of the product, no harmful effects are known.

4. FIRST AID MEASURES

INHALATION	not applicable
CONTACT WITH THE SKIN	not applicable
CONTACT WITH THE EYES	not applicable
INGESTION	not applicable

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	water / carbon dioxide / powder / synthetic extinguishers
UNSUITABLE EXTINGUISHING MEDIA	not applicable
SPECIAL HAZARDS	none known
PROTECTIVE EQUIPMENT	respiratory protection

6. ACCIDENTAL RELEASE MEASURES

CLEANING METHODS	Clean-up, remove.
ENVIRONMENTAL PRECAUTIONS	Keep out of reach of sewers, water drainage and surface water.
PERSONAL PRECAUTIONS	not applicable

7. HANDLING AND STORAGE

HANDLING AND STORAGE	<ul style="list-style-type: none"> - Direct contact with open flames or excessive heat must be avoided. The product can contain traces of flammable gas and must be stored in a properly ventilated area. As for all foams, proper ventilation during transport and/or transformation is essential. - Heaping up of PE-particles is to be avoided. - Avoid statically electricity.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS	not applicable
PERSONAL PROTECTION	Respiration / Hands / Eyes / Skin none

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	fast
ODOUR	odourless
COLOUR	white (without additives)
DENSITY (at 23°C)	25 - 150 kg/m ³
VISCOSITY	not applicable
BOILING POINT/RANGE	not applicable
MELTING POINT/RANGE	100 - 140°C
FLASH POINT	> 360°C
FLAMMABILITY	> 400°C
AUTO-IGNITION TEMPERATURE	> 450°C
EXPLOSION LIMITS	not applicable
RELATIVE VAPOUR DENSITY (water = 1)	0,90 - 0,98
VAPOUR PRESSURE	not applicable
SOLUBILITY IN WATER	insoluble
SOLUBILITY IN ORGANICAL SOLVENTS	insoluble
pH VALUE	not applicable
OXIDIZING PROPERTIES	none
PARTITION COEFFICIENT (n-octanol / water)	not applicable

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	see 7. Handling and storage
PRODUCTS TO AVOID	none
DECOMPOSITION OF PRODUCTS	From the moment of combustion, the product produces a high calorific value without emitting any harmful gasses and releases carbon dioxide and water vapour.

11. TOXICOLOGICAL INFORMATION

With proper use of the product according to the valid instructions, no innocuous effects to the human health are currently known.

ACUTE TOXICITY	Oral / Dermal / Inhalation	not applicable
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12. ECOLOGICAL INFORMATION

The product has no influence on the quality of the groundwater. The product is biodegradable when exposed to sunlight.

13. DISPOSAL INSTRUCTIONS

Removal of waste materials conform to the local and national regulations.

14. TRANSPORT INFORMATION

The product is not classified as a dangerous product with reference to the regulations of transport.

ADR/RID / IMCO / ICAO/IATA / ADNR	not restricted
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15. REGULATORY INFORMATION

The product is not subject to the regulation CE67/548/CEE, nor to the regulations of the concerned countries.

16. OTHER INFORMATION

The information and data given in this Safety Data Sheet are correct as far as known to us on the date of publication. This information is a guide for the manipulation, the use, the storage, the transport, the elimination and the dispersion of the product without risk. This information and data can not be used as a guarantee, nor as prove of quality, because the conditions in which the mentioned actions take place do not fall under our supervision. The given information concerns only the above mentioned product and does not need to be valid if used with other product(s) or in any other process than mentioned in this document. Jiffy Packaging accepts no responsibility or liability for any loss or damage resulting from the use of this information or data.