

# Onderdak Polyplex

08/03/22

## Description

PLAQUE POLYPLEX NOIR MICROPERFO 1.2X2.5M - 2.5MM

## Process

Extrusion & printing - Packaging - Shipment

## Material

Polypropylene copolymer twin wall sheet Flame retardant

## Chemical resistance

Polypropylene has good chemical inertness and good resistance to cracking under stress. It has no solvent at 20°C. Very resistant to mineral and organic products; it is neither affected by water solutions of mineral salts, nor by chemical bases and mineral acids at temperatures lower than 60°C, except very strong acids. Not resistant to substances with an oxidizing effect or to certain solvents. Details can be supplied if required.

## Regulatory compliance

94/62/EC on Packaging and Packaging waste Regulatory REACH and directive ROHS  
Food contact: No request

## Technical characteristics of the product

Thickness:	2.5 mm +0.2/-0.2mm
Weight:	450 g/m <sup>2</sup> +/-10%
Colour:	Black 200
Printing:	White 1410
Tolerance printing:	+/- 20mm
Specification:	Micro perforation + Flame retardant in the composition
Sheet Size:	2500mm +34/-0mm x 1200mm +/-2mm

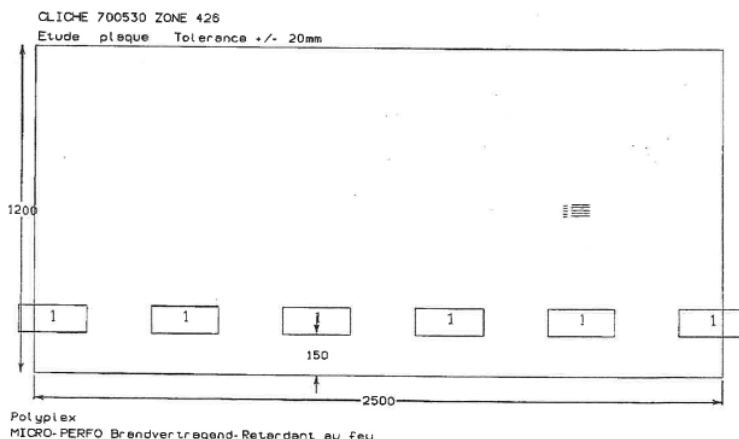
## Packaging

Space Pallets: 2600 x 1220 x 1170mm

Wood pallet standard 2600 x 1220mm

400 items per pallet

Protection: PE stretch foil with lid and bottom in cardboard + White cover and PP corners + straps



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## PP Mechanical properties

Property	Unit	Result	Method
Density	g/cm <sup>3</sup>	0,905	ISO 1183
Bulk density	g/cm <sup>3</sup>	0,525	ISO 1182
Melt flow index 230° C/2.16 kg	g/10min	1,3	ISO 1133
Tensile strength at yield	MPa	24	ISO 527-2
Elongation at yield	%	11	ISO 527-2
Tensile modulus	MPa	1050	ISO 527-2
Flexural modulus	MPa	1150	ISO 178
Izod impact strength	kJ/m <sup>2</sup>		ISO 180
at 23°C		no break	
at -23°C		7	
Charpy impact strength	kJ/m <sup>2</sup>		ISO 179
at 23°C		no break	
at -20°C		8	
Harness rockwell - R- scale		77	
Melting point	°C	165	ISO 3146
Vicat softening point	°C		ISO 306
50N-50°C per hour		60	
10N-50°C per hour		130	
Heat deflection temperature	°C		ISO 75-2
1.8 MPa - 120°C per hour		50	
0.45 MPa - 120°C per hour		92	

## Storage conditions

The product has to be stored between +5°C and +50°C in a clean place in normal relative humidity conditions (ideally between 30 and 70%).

Store the product away from UV, any heat sources or flammable substances.

Avoid the storage in locals where gasses could be present (forklift trucks exhaust gasses, shrink film with gas heating...)

In these conditions, the shelf life is 5 years after the date of production.

Corona and antistatic treatment: the durability of these treatments is 6 months.

Don't remove the protective packaging film before processing.

The processing has to be done at temperatures between +15°C and +25°C.

Before processing verify that the sheets are at the recommended temperature.