



TBP Converting, Inc.
Nitto 6951 PDS

Waterproof and airtight tape

HYPERFLASH NO.6951

Outline

HYPERFLASH NO.6951 is a tape for waterproof and airtight purpose of around opening (pipe, window etc.) and wall corner part.

The tape has EPDM rubber sheet as a flexible carrier for adaptation to the unusual shape and has butyl adhesive that is excellent adhesion, waterproof and durability.

Structure

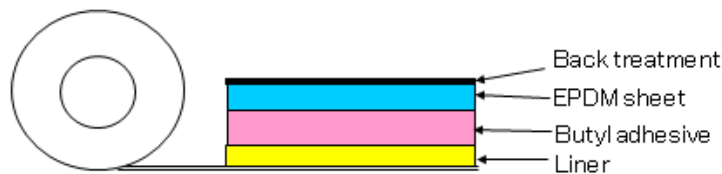


Figure 1 HYPERFLASH NO.6951

Applications

- Waterproofing and airtight applications for around piping and 3-Dcurved shape (window, wall corner etc).
- Waterproofing and airtight applications for joint parts such as panel base.

Features

- Adapt well to unusual shapes, 3-Dcurved surfaces, and other complicated locations.
- Offers excellent waterproofing and airtight abilities due to good adhesion.
- Excellent long-term durability.

Standard size

Table 1 Standard size

Item	Tape thickness[mm]	Width [mm]	Length [m]	Quantity(rolls/case)
HYPERFLASH NO.6951	1.3	45	5	12
		75		8
		200		4

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Properties

● General properties

Table 2 General properties

Item	Unit	Measurement value	Test condition	Test Method
Thickness	mm	1.3	Temperature : Standard	JIS Z 0237 : 2000
Tensile strength (MD)	N/25mm	8	Temperature : Standard Peeling speed : 300mm/min	
Elongation (MD)	%	1100		
100% modulus-initial (MD)	N/25mm	4		
100% modulus-after 5min (MD)	N/25mm	1.3		
180 degree peeling adhesion	Stainless steel	N/25mm		
	Conifer plywood	N/25mm	13	
	Vapar permeability waterproof sheet	N/25mm	12	

Standard : 23±2°C、50±5%RH

Vapar permeability waterproof sheet : heat activated type

● Adhesion properties

180 degree peeling adhesion at each temperature with adhesive tape as a state not to elongate.

- Peeling speed : 300mm/min
- Condition : After leaving sample at each temperature for 2hours, applying pressure with 2kg roller 1pass back and forth and dwelling 30minutes, then measure.
- Method : JIS Z 0237 : 2000

Table 3 Peeling adhesion at each temperature

Adherent	Unit	Temperature		
		0°C	23°C	40°C
Stainless steel	N/25mm	32	9	6
Conifer plywood		10	13	6
Vapar permeability waterproof sheet		22	12	6

Vapar permeability waterproof sheet : heat activated type

● Durability

The durability is measured by heat accelerating test at 90°C.

- Item : Tensile strength (MD), Elongation (MD)
- Accelerating condition : 90°C x 7weeks (Corresponding to 10years)
90°C x 14weeks (Corresponding to 20years)
90°C x 21weeks (Corresponding to 30years)
- Method : JIS A 6930

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Product Data Sheet

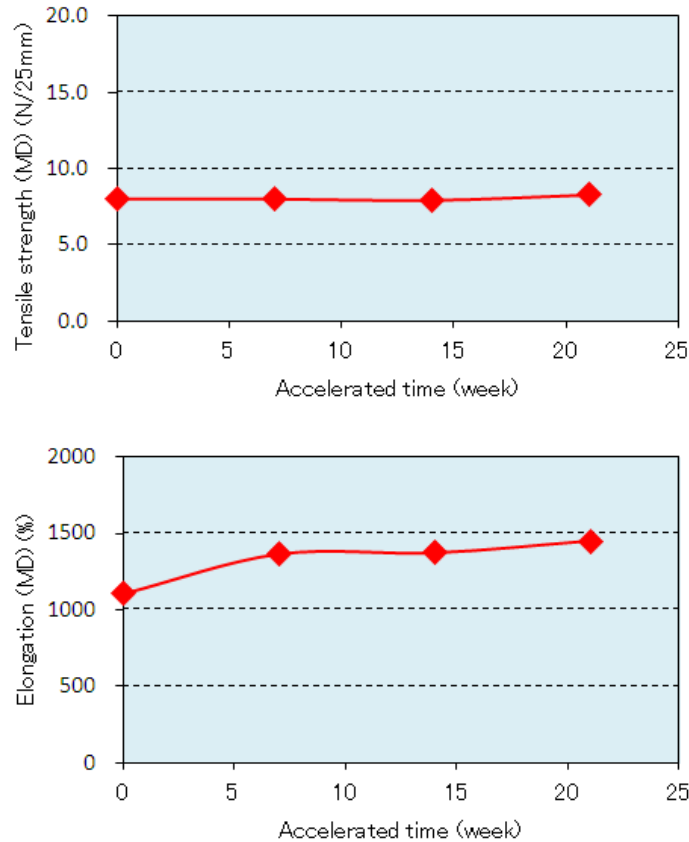


Figure 2 Durability test (Upper : Tensile strength, Lower : elongation)

Precautions

- Please make sure panel base to apply pressure on this tape.
- NO.6951 is designed to easily change shape to ensure easy fit with the foundation.
Do not stretch over twice than the original size.
- Check surface, make unevenness as flat as possible
Remove oil, water and foreign matter from foundation surface.
- Please joint tapes not to make way for water.
- Please fix vapor permeability waterproof sheet on panel base fast.
- Please apply enough pressure overall.
- During low temperatures, adhesion may increase by applying heat.
- Do not stand on the release sheet as doing so may result in slipping and falling.
- Store away from direct exposure to sunlight as core hole is upward.

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