

PRODUCT

Pharmaceutical push through foil, unprinted

MATERIAL COMPOSITION

Primer for printing / Aluminium 20µm hard tempered / Thermosealable lacquer to PP

Stratigraphy composition	Code	Thickness (µm)		Weight (g/m ²)		Chemical composition
		Value	Tol.	Value	Tol.	
Primer	CT311	-	-	0,8	± 0,3	Polyester
Aluminium hard tempered		20,0	± 1,6	54,0	± 4,3	DIN EN 573-3 EN AW 8079
Heat seal	CT368	-	-	3,5	± 0,5	Synthetic resins combination
Overall		24,3 (*)	± 2,4 (*)	58,3	± 5,1	

(*) Obtained from grammage

MATERIAL PROPERTIES

Residual solvent (IO 13)	<= 10 mg/m ²
Varnishes adhesion to the substrate (IO 06)	No detachment
Bonding to PP (IO 05)	>= 3 N/15mm (220°C - 267 N/cm ² - 1 second - 180°)
FT-IR Spectra heat-seal lacquer compare (IO 34)	>= 98,5 %
Melting point of thermosealable varnish (IO 17)	100 °C ± 5
Primer for printing resistance to temperature (IO 11)	<= 290 °C
Water vapor permeability (ASTM F 1249-01)	<= 0,05 g/m ² (24h - 90% RH - 38°C)
Oxygen permeability (ASTM D 3985-02)	<= 0,05 cc/m ² (24h - 0% RH - 23°C)

CLEARANCE CERTIFICATE

Thermosealable lacquer	FDA 21 CFR § 175.300 - 177.1640 - 178.3297 Directives 2002/72/CE - 2004/19/CE - 2005/79/CE - 2007/19/CE - 2008/39/CE CE Regulation n. 10/2011 Resolution of the Council of Europe AP(2004)1 BfR paragraph XXV
Product	Conformity of the product to the current norms is guaranteed by Aluberg according to the certifications issued by the suppliers of raw materials. The company assures not using heavy metals (Pb - Cd - Hg - CrVI) during the production process. It is however impossible to totally exclude the presence of heavy metal traces, which are directly issued of impurities coming from the raw materials used during the production cycle. The quantity is in any case lower than 100ppm, which matches with the limits fixed by the "94/62 EC Directive". The product is in compliance with Regulations (EC) No 1935/2004 and 2023/2006.

WARRANTY, STORAGE AND SHELF-LIFE

This warranty is only valid if the following conditions of storage are observed:

Condition of storage	Recommended storage conditions: - no direct sunlight - room temperature between 18°C - 30°C (optimum 18°C - 20°C) - relative humidity between 40% and 60% (optimum 40% - 50%)
Workability	Maximum 2 years from delivery date for sealing. Maximum 1 year from delivery date for printability.
Function	Maximum 5 years after processing on the packaging line.

LIABILITY EXCLUSION

Data mentioned in the technical specification, obtained in our laboratory or in our raw material supplier's laboratories, are valid as a general indication for the use of the product.

So, even if valid, they don't bind our Company that can not check the conditions of their use.