

PRODUCT

Aluminium for yoghurt lids pre-cutted, not anticorrosive

MATERIAL COMPOSITION

Primer for printing / Aluminium 37µm soft tempered / Thermosealable lacquer to PP/PS/PVC/PET "PVC-free"

Stratigraphy composition	Code	Thickness (µm)		Weight (g/m ²)		Chemical composition
		Value	Tol.	Value	Tol.	
Primer	CT537	-	-	0,8	± 0,5	Acrylic dispersion
Aluminium soft tempered		37,0	± 2,96	99,9	± 8,0	DIN EN 573-3 EN AW 8079
Heat seal	CT456	-	-	5,5	± 1,0	PVC-free Synthetic resins combination
Overall		43,3 (*)	± 4,5 (*)	106,2	± 9,5	

(*) Obtained from grammage

MATERIAL PROPERTIES

Residual solvent (IO 13)	<= 5 mg/m ²
Varnishes adhesion to the substrate (IO 06)	No detachment
Bonding to PP injection molding (IO 05)	>= 8 N/15mm (220°C - 267 N/cm ² - 1 second - 180°)
Bonding to PS (IO 05)	>= 8 N/15mm (220°C - 267 N/cm ² - 1 second - 180°)
Melting point of thermosealable varnish (IO 17)	110 °C ± 10
Primer for printing resistance to temperature (IO 11)	<= 250 °C
Ultimate tensile strength of aluminium (ASTM D882)	>= 75 MPa
Elongation to aluminium break (ASTM D882)	>= 8 %
Content of magnesium (Mg) in the aluminium (IO 21)	<= 50 ppm
Bonding to PVC (IO 05)	>= 7 N/15mm (220°C - 267 N/cm ² - 1 second - 180°)
Bonding to PET (IO 05)	>= 8 N/15mm (220°C - 267 N/cm ² - 1 second - 180°)

CLEARANCE CERTIFICATE

Bisphenol-A statement	The product is "BPA-free". Conformity of the product to the current normes is guaranteed by Aluberg according to the certifications issued by the suppliers of raw materials. The company assures not using Bisphenol-A or its derivatives during the production process. Any impurities of this substance, in the extend of ppm, could be present because deriving from the production process of the raw materials or as a random pollutant.
Thermosealable lacquer	FDA 21 CFR § 175.300 Directives 2002/72/CE - 2004/19/CE - 2005/79/CE - 2007/19/CE Regulation CE n. 10/2011 Resolution of the Council of Europe AP(2004)1
Product	The product is "PVC-free". Conformity of the product to the current normes 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	Store in dry and clean area. Recommended storage conditions: - no direct sunlight - room temperature between 5°C - 30°C - maximum relative humidity 70%
Workability	Maximum 2 years from delivery date for sealing. Maximum 1 year from delivery date for printability.
Function	Specified specification is suitable for dairy and dessert products with a pH value > 3.8 and a fat content < 36% and a maximum shelf life of 6 weeks under the condition of continuous cold storage (max 4°C).

LIABILITY EXCLUSION

The Regulation (EC) 1935/2004 requires that the materials and the articles, which are destined to the contact with foods in the state of end product, do not have to transfer any component to the food manufactured in such quantity to damage the human health, to produce an unacceptable change in the composition or a deterioration of its organoleptic characteristics. This means that the producer of the material in the end state (manufactured food) has the responsibility that the packaging corresponds to such requisite.

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.