

Aluminium Paper

PAPER 50gr / ALU 9μ / PE 70μ

Description

Natural texture, pleasant to the touch. The material is provided with high protection from UV rays, heat and oxygen (aluminium). The three layers lend more rigidity to the bag compared to other materials.

Choose it for

Food products that need protection from UV rays and heat such as coffee, dry food, organic baked goods, chocolate or if you want to get a more neutral result, keeping a neutral base for your design.

Advantages

Natural texture, pleasing to the touch, it protects from oxygen, heat and UV rays, keeps aroma, extends the shelf life.

MATERIAL COMPOSITION



Multi-layered aluminium paper film
n. 3 Layers

- ① **PAPER**
Exterior layer
External film that protects inks and the barrier, ensuring high resistance
- ② **ALU**
Intermediate barrier film
UV rays, heat, oxygen protection to prolong product's shelf life
- ③ **PE**
Sealing inner layer

PHYSICO-CHEMICAL PROPERTIES

UNIT OF MEASURE

TEST METHOD

PAPER

ALU

PE

Nominal thickness	my	ASTM E 252	-	9	70
Tolerance on nominal thickness	%	ASTM E 252	-	2	8
Total thickness	my	ASTM E 252		50gr + 79	
Density	g / cm3	ISO 1183	-	2,70	0,92
Weight per square metre	g / m2	Giflex n° 1	50	24,3	64,4
Total basis weight	g / m2	Giflex n° 1		138,7	
Tensile strength	N x mm2	UNI EN ISO 527	-	210	-
Lengthening	%	UNI EN ISO 527	-	-	-
Max thermal withdrawal	%	ASTM D 2732	-	2	-
Max friction coefficient	-	ASTM D 1894	-	0,60	0,18
Friction coefficient coupled int/int	-	ASTM D 1894		0,15 - 0,20	
Surface tension	dyne / cm	ASTM D 2578	-	52	> 38
Minimum seal temperature	°C	ASTM F 88	-	-	~ 130
Sealing resistance	N/ 15 mm	ASTM F 88	-	-	3
Treatment	n.a.	n.a.	-	-	Sealing
Permeability O2 multi-layer	23°C 0% rh - cm3 / m2 day bar	ASTM D 3985		≤ 0,5	
Permeability W.V.T.R.* multi-layer	38°C 90% rh - g / m2 day	ASTM F 1249		≤ 0,5	

It contains about gr 1,9 of bicomponent polyurethanic adhesive and about gr 1,5 of ink

n.a. not applicable

CONCLUSIVE EXPLANATION:

The information contained in this publication is accurate to the best of our current knowledge. All the materials used for the production of this are in compliance with Italian law and European regulations concerning use in contact with food. We declare that no waste and / or post-consumer materials are used for production. This plastic film must be preserved from direct light and a temperature below 25 ° C, it must be used within 6 months from the date of production. After the period and / or the non-observance of the conservation requirements, the above performance will lapse as well as the declared standards.

LIMITATION OF USE: NO HEATING IN MICROWAVES, NOT PASTEURISATION AT TEMPERATURE > 87 ° C, NO FROSTING AT TEMPERATURE < -25 ° C

LEGEND:

ASTM E 252: test method for the evaluation of the thickness of the film through the weight
ISO 1183: test method for determining the density of plastic materials
UNI EN ISO 527-1 and -3: method for determining the traction properties of the general part and films and slabs
ASTM D 2732: test method for linear thermal shrinkage of fi lms and sheets
ASTM D 1894: test method for measuring the friction coefficient of plastic films and sheets
ASTM D 2578: test method for surface measurement or wetting of polyolefin films
ASTM F 88: test method for the resistance of fi exible plastic film welds
ASTM D 3985: test method for oxygen transmission speed through plastic films
ASTM F 1249: Test method for water vapor transmission speed through plastic films
W.V.T.R. *: water vapor transmission rate (water vapor transmission speed)