

Recyclable Transparent

PE 25μ / PE EVOH PE 75μ

Description

Transparent semi matte monofilm material which makes less brilliant colours, although creates a more natural effect. It allows to create window on the bag to make the product inside visible.

Choose it for

Food products that don't need protection from UV rays and heat, clothing and accessories, fancy goods, tobacco or hemp, chemical products or just if you want a green plastic packaging.

Advantages

Natural texture, it protects from oxygen, keeps aroma, extends the shelf life, low environmental impact.

MATERIAL COMPOSITION



Multi-layered transparent recyclable film
n. 2 Layers

- 1 PE Exterior layer**
 External film that protects inks and the barrier, ensuring high resistance
- 2 EVOH Intermediate barrier film**
 Oxygen protection to prolong product's shelf life
- 3 PE Sealing inner layer**

PHYSICO-CHEMICAL PROPERTIES

UNIT OF MEASURE

TEST METHOD

PE

PE EVOH PE

Nominal thickness	my	ASTM E 252	25	75
Tolerance on nominal thickness	%	ASTM E 252	4	7
Total thickness	my	ASTM E 252	100	
Tolerance total thickness	%	ASTM E 252	10	
Density	g / cm ³	ISO 1183	0,94	0,92
Weight per square metre	g / m ²	Giflex n° 1	56,4	36,8
Total basis weight	g / m ²	Giflex n° 1	93,2	
Tensile strength	N x mm ²	UNI EN ISO 527	210	20
Lengthening	%	UNI EN ISO 527	90	> 260
Max thermal withdrawal	%	ASTM D 2732	2	-
Max friction coefficient	-	ASTM D 1894	0,60	0,25
Friction coefficient coupled int/int	-	ASTM D 1894	0,22	
Surface tension	dyne / cm	ASTM D 2578	52	> 38
Minimum seal temperature	°C	ASTM F 88	-	~ 115
Sealing resistance	N/ 15 mm	ASTM F 88	-	~ 3,0
Treatment	n.a.	n.a.	-	Barrier
Permeability O2 multi-layer	23°C 0% rh - cm ³ / m ² day bar	ASTM D 3985	6,25	
Permeability W.V.T.R.* multi-layer	38°C 90% rh - g / m ² day	ASTM F 1249	0,43 - 0,89	

It contains about gr 1,9 of bicomponent polyurethanic adhesive

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 films 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 flexible 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)