

### Transparent Matte

PET MAT 12μ / PE EVOH PE 90μ

#### Description

Transparent matte material that allows to create window on the bag to make the product inside visible. The material is provided with high oxygen protection (EVOH), protects from moisture.

#### Choose it for

Food products ( like pasta, biscuits, baked goods, candy, cereal grains, dried food and ready meals ) that don't need protection from UV rays and heat, clothing and accessories, fancy goods, tobacco or hemp, chemical products.

#### Advantages

High matte effect, it protects from oxygen, keeps aroma and extends the shelf life.

### MATERIAL COMPOSITION



**Multi-layered transparent mat film**  
n. 2 Layers

- ① **PET MAT**  
**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**

### CARATTERISTICHE FISICO / CHIMICHE

### UNITA' DI MISURA

### METODO DI PROVA

### PET MAT

### PE EVOH PE

Nominal thickness	my	ASTM E 252	12	90
Tolerance on nominal thickness	%	ASTM E 252	4	7
Total thickness	my	ASTM E 252	102	
Tolerance total thickness	%	ASTM E 252	8	
Density	g / cm3	ISO 1183	1,4	0,92
Weight per square metre	g / m2	Giflex n° 1	16,8	82,8
Total basis weight	g / m2	Giflex n° 1	99,6	
Tensile strength	N x mm2	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	0,6	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	-	130
Sealing resistance	N/ 15 mm	ASTM F 88	-	3,0
Treatment	n.a.	n.a.	Corona	Barrier af
Permeability O2 multi-layer	23°C 0% rh - cm3 / m2 day bar	ASTM D 3985		< 2
Permeability W.V.T.R.* multi-layer	38°C 90% rh - g / m2 day	ASTM F 1249		< 3,5

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)