



PET+AL+PE LAMINATED FILM PRODUCT SPECIFICATION

Document No:	FR-091
First Publishing Date:	21.06.2006
Rev. No/ Date:	4/14.01.2016
Preperation:	Food Safety Team
Controller:	Qual. Man. Rep.
Approved:	General Manager

1. PRODUCT:

Main raw materials: PET + AL + PE

Additives: Glue (suitable for edibles), if printed; Paint (suitable for edibles)

2. PHYSICAL PROPERTIES:

No noticeable smell, and shouldn't affect the product taste and aroma.

Shouldn't include any foreign materials (insects, hair, dirt etc.).

Printing properties; flexographic and rotographic printing according to customer approved printing samples and/or digital cromalines.

PROPERTIES	UNIT	VALUE (Between)
Film thickness	micron	50 - 200
Reel Width	cm	10 - 100
Reel Diameter	cm	10 - 600

3. CHEMICAL PROPERTIES:

PROPERTIES	UNIT	VALUE	METHOD
O ₂ permeability	cc/1 Atm./24h/m ²	<0,0002	ASTM 3985
N ₂ permeability	cc/1 Atm./24h/m ²	<0,0002	ASTM 3985
Vapor permeability	g/m ² /24h	<0,0002	ASTM 1249

PROPOGATOR:

Migration* : max. 10 mg / dm²

*: Council Directive 82/711/EEC of 18 October 1982 laying down the basic rules necessary for testing migration of the constituents of plastic materials and articles intended to come into contact with foodstuffs

4. BIOLOGICAL PROPERTIES:

	Unit	Specification
Total bacteria	cpu / 10 cm ²	max 100
Coliform	cpu / 10 cm ²	none
Mildew	cpu / 10 cm ²	max 10



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5. PACKAGING PROPERTIES:

Packaging type: According to client request; i.e. inside PE nylon bags, together tightly wrapped by bubble wrap film and/or inside a carton box. Other types can be provided upon costumer request.

Sticker Information: Every reel or carton box needs to have the following information on the sticker.

- Name of Material
- Amount (quantity)/size – i.e. kg/pieces/meters
- Order No
- Production Date/shift
- Producer Name

6. STORING CONDITIONS: On pallets, wrapped with stretch film, on a hygienic and dry surface, in warehouse that provides a ceiling above the goods, positioned to avoid direct sunlight, in a environment that is not damp, in normal room temperature (25°C), stored in original packaging until used.

7. SHELF LIFE: Must be used for packaging within 6 months after production date.

8. DELIVERY CONDITIONS: Using chock to prevent being squashed, wrapped in bubble wrap on pallets with product cards hanging, by trucks that are clean, and free of bugs, dust, mold and moisture.

9. POSSIBLE USERS: Firms and organizations that are packaging food / cosmetics / agricultural materials

10. USAGE CONSTRAINTS:

Is not suitable for use if the storing conditions on point 6 are not provided.

11. REGULATIONS:

- Regulation (EU) No 10/2011
- Regulation (EC) No 1935/2004
- FDA 2007 Form 3480 Part II Section F
- Regulation (EC) No 2023/2006 good manufacturing practice for materials and articles intended to come into contact with food
- Commission Directive 82/711/EEC and its amendments
- Commission Directive 85/572/EEC and its amendments
- Commission Directive 94/62/EC and its amendments
- Turkish Food Codex Regulation relating to the plastic materials and articles intended to come into contact with foodstuffs
- Turkish Food Codex Regulation laying down the basic rules necessary for testing migration of the constituents of plastic materials and articles intended to come into contact with foodstuffs