	Integrated Management System	Codul : FT-FB180-2AL
	Data sheet for laminated bubble film with AL PET FB 180grx1200x50ml	Editia : 1 Revizia B
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1. DESCRIPTION

The FB is obtained by extruding in controlled technical conditions of a mixture of granules LDPE with LLDPE granules under the influence of temperature. The product is classified as polymers, is characterized by a high elasticity, low permeability to liquids, low thermal conductivity, and sound-absorbing properties, resistance in time, while being rot-proof and insensitive to the action of insects and rodents.

The product is obtained by laminating on both sides the foil FB with AL PET .

The resulted product has excellent properties to shocks , vibrations and thermal radiations . Product consists of:

- bubble foil Bubble 150gr/mp, diameter 10 mm, height 3.2 mm
- AL PET 11 my film.
- the total weight of the FB+2AL is 180 g / m2

2. USED FOR

Bubble film laminated wit aluminium PET is a good insulator, used in civil constructions as reflective material and as vapour barrier under the roof (which reduces the temperature during the summer) as well as reflective panels to improve thermal efficiency of heating radiators ,is recommended to be used as packaging in the furniture industry.

Bubble film products protect the objects against shocks and strikes, provide a barrier against moisture and present insulating properties.

3. RANGE OF PRODUCT

	FB My / gr	Laminated film	Width (mm)	Length (m)
Bubble diameter 10 mm,height 3.2 mm	170my/ 150gr	2*AL PET 11 my /30gr	1200	50
Tolerances	+/- 10%		-10/+10mm	+/- 2%

4. TECHNICAL CHARACTERITICS


4.1. General Technical Parameters

No crt.	Characteristic	U / M	Value	Checking method
1	Aspect	attributive	Film continuous, uniform, without inclusions	Visual
2	Odour	attributive	Odorless	Organoleptic
3	Colour	attributive	FB - natur	Visual
4	Thickness/ weight	my	170 / 180gr	EN 823
	Length	m	50	EN 822
	Width	mm	1200	EN 822
5	Temperature field use	°C	- 40 ... 80	
6	Fuel grade : - Non-fireproof product		E	SR EN 13501-1+A1:2010

4.2. Specific technical characteristics

Technical characteristics - Film ALUMINIU 11 my

No crt.	Characteristic	U / M	Value
1	Raw material		Aluminiu+LDPE
2	Weight	g/m2	16±10 %
3	Thickness	my	11±10 %
4	Tensile strength vertical	Mpa	≥68
	Tensile strength horizontal	Mpa	≥80
5	Elongation Longitudinal / transversal	%	14/23

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Technical characteristics bubble foil:

No crt.	Characteristic	U / M	Value
1	Raw material		polietilena
2	Weight	gr	150±5%
3	Thickness	mm	3.2
4	Bubble diameter	mm	10
5	Width of the roll	mm	1200±10mm

4.3. Technical characteristics – 1200XFB180grx50ml , 2ALPET

No crt.	Characteristic	U / M	Value
1	Thermal resistance Rt	m2K /W	0.111
2	Thermal conductivity	W/ mK	0.034

5. TERMS OF USE

The optimal thickness of isolation must be dimensioned by the planner, based on a concrete situation, the characteristics of the materials used in construction, the foresights mentioned in fore standards and, eventually accordingly to the additional requests demanded by the beneficiary.

The surfaces where will be applied the isolation must be manufactured according the project regarding the static, thermal, humidity and phonic demands.

Do not start the isolating process until the construction works are not over yet!
Before beginning the applying process, it should be verified the dimensions of the spaces where it will be inserted the isolation to be sure that the thickness of the isolation mentioned in the project is respected.

6. PACKAGING, LABELLING, STORAGE, HANDLING, TRANSPORT

Film rolls are delivered packed in LDPE film .

Each roll is marked with identification data by client demands (company's name, product code / product's references, size, manufacturing date, lot number etc.).

The storage is made on pallets in clean warehouses, dry, ventilated, protected from direct sunlight, at least 3 m away from any direct source of heat.

Handling is done with caution so as not to damage the packaging, product integrity and qualitative and quantitative identification of the product.

The transport is made in clean and covered vehicles to protect the product from dust and bad weather.

Note: smoking around storage and shipment is completely forbidden

7. QUALITY INSPECTION

Quality inspection is done on lots for sale, the lot being the quantity which has the same identification code. For each lot for sale are verified the technical parameters, packaging and labelling way

The lot parameters are checked on a sample extracted according to the statistical control, according to STAS SR ISO 2859-1, with the following control plan: AQL=4, Nv.=II, normal control trough simple sample.

8. GUARANTEES

The term of guarantees is 24 months since the date of the production, if the client /handler respects the storage and transport regulations in order to keep the quality and quantity integrity of the products from the moment of delivery.

Issued by,
Quality Manager Doina Craescu

