



UNITED PLASTIC CORPORATION S.A.

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**UPC**

*More than 20 years in Chile*

**POLYETHYLENE  
PLASTIC FOAM**

CATALOGUE OF PRODUCTS





## PLASTIC FOAM

*Environment - friendly product: The expanded polyethylene (EPE) film is manufactured with virgin material that is totally recyclable and it is also free of CFC (chlorofluorocarbon), so there is no damage to the ozone layer.*

*Protect your products against blows and friction by packing them with the new UPC EPE plastic foam.*



## ■ CHARACTERISTICS

The EPE film has been specially designed as a packaging material and it effectively protects any goods against blows and friction, such as damages produced by external agents: chemicals, water, animals, biologic agents, etc. Since it is biologically inert, it does not absorb humidity and it is also a light stable material thanks to its anti UV. The EPE film can be dimensioned according to your own specifications.

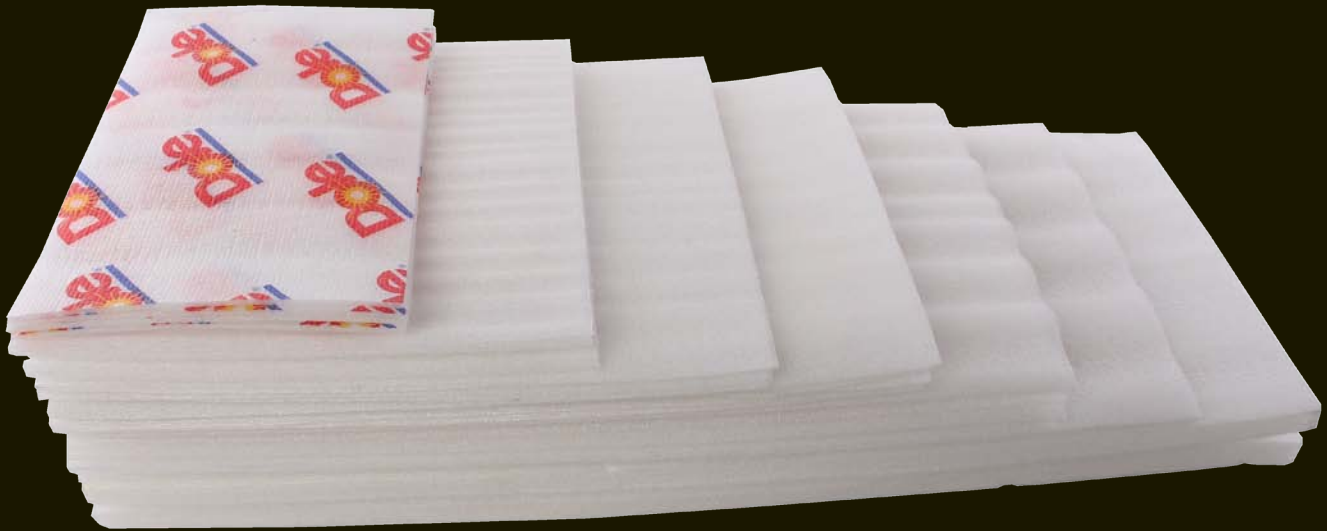
## ■ APPLICATIONS

Due to the EPE, plastic foam can be sized according to your specific needs. It can be used in the different packaging process of fresh fruit, salmons, furniture, electronic devices, ceramics, crystal, glass, handcraft and fragile items in general.



## PROPERTIES

- Resistance to compression
- Flexibility
- Control of noise and vibrations
- Buoyancy
- Low absorption of water
- Resistant to chemicals
- Wide range of temperatures, -40 to + 70°C
- Low thermal conductivity
- Stability to light (it can be supplied with anti UV agent)
- Biologically inert



- Odorless
- Non-abrasive
- Non-toxic
- Easy to clean
- Anti-statics
- Residual disposal is not considered as toxic waste when disposed
- Will not be consumed by rodents
- It cannot be disintegrated
- Thermo-weldable and able to be glued with contact adhesives



## LAMINATED PLASTIC FOAM

*UPC manufactures a diverse type of plastics which combination brings into a new and different finished product, specialized and focused to specific applications. This is the "laminated polyethylene", whose combination puts together a regular film of polyethylene (PE), optionally printed, with expanded polyethylene (EPE). This last product corresponds to a plastic foam with closed cells and their main benefits are to contribute with protection, impermeability to water steam, thermic isolation and softness contact.*



*UPC has created the following special products, assigned to specific applications:*

## **CONSTRUCTION**

- Laminated for Wood Floating Floor
- Laminated for Thermic Isolation of Ceilings
- Laminated for Thermic Isolation of Ducts and Pipes
- "Impactsorber (TM)" or Laminated for Impact Noise Isolation



## LOGISTIC COMPLEMENT

- Laminated to keep required conditions regarding temperature and humidity
- Laminated to protect / preserve the original condition of products in general

## EXPORTS OF FRESH FRUITS

(PE sheet can be printed with logo or other of customers)

- Laminated to Protect Fresh Fruit ("jiffy pad"), mainly pomaceous.



## ■ LEVELING FOAMS

|                           |                   |
|---------------------------|-------------------|
| Material                  | LDPE + LDPE Sheet |
| <b>Product's Features</b> |                   |
| <b>Foam</b>               |                   |
| Width                     | 0,69 m            |
| Lenght                    | 14,5 m            |
| Thickness                 | 3,0 mm            |
| <b>LDPE Sheet</b>         |                   |
| Thickness                 | 40 mic            |
| Leftover                  | 50 mm             |
| Performance               | 10 m <sup>2</sup> |
| Weight                    | 1,230 g           |
| Properties                | Waterproof        |
| Package                   | Rolls and PE Bag  |



## ESPECIAL PROTECTOR FOAM

*Foam of Expanded Polyethylene (EPE) to protect any product or article presenting a high specific weight. This material is 100 % recyclable and free of CFC which means that this does not damage the Ozone Layer*

## CHARACTERISTICS

- Is designed to be used at the packing process of those products and articles demanding a high level of protection, during their multimodal transport to final markets. Mainly if distances and transportation present important and difficult challenges, such as ocean freights.
- Resists the rigors coming from movements during shipping; reaching their final markets under ideal conditions. This is possible because of this Special Foam does not absorb humidity and its strength keeps the same along all the transport chain
- Assures a soft protection to delicate and fine products and articles, small or medium sizes, having a high own value.
- Offers a high resilience capacity to absorb energy and compression strokes. Is a light material; therefore there is no negative impact over freight costs. Special Protector Foam is easy to be molded and dimensioned by any End User



## ■ PLASTIC FOAM ALUMINIZED

Laminated for making "thermal blankets" for pallets and pallets, which delivers thermal insulation air shipped fresh fruits.



## ■ RECOMENDATIONS

Special Protector Foam must be stored in its original packing crate and at a temperature lower than 104° F or 40° C.  
Special Protector Foam requires being free of the direct solar light.