

Films for thermal-lamination: Serie F®

The films for hot lamination are produced through an extrusion of polyolefinic resins. Neither glues nor solvents are used for production.

These films are suitable for permanent adhesion on plastic semirigid foils of PVC, PET, PP, PS, EPS...

Available in the peelable, sealable, barrier, non barrier, and other more specific versions.

Key features

These films are divided into two main families:

- Universal film (that can be thermolaminated on every substrate: on PET, PP, PVC, PS,...)
- specific films for specific substrates (a version for PP foil, a version for EPS,...)

The choice of which one better fits with the specific situation of the customers depends, above all, on the lamination plant and on the conditions of lamination. Our technical support is available to suggest the best solution for each situation.

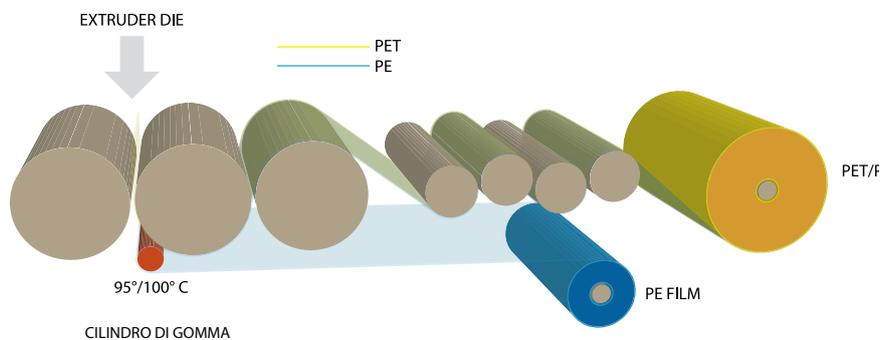
The films are manufactured with raw materials conforming to European Union standards for food contact material. More detailed informations are available on request.

Film quality is ensured by the considerable experience gained by Industria Termoplastica Pavese S.p.A. in the production of special packaging materials.

This quality has been certifying according to ISO 9001 since 1993.

| CHARACTERISTICS (UNIVERSAL FILM) | METHOD | UNITS | VALUE* |
|--|----------------------------|--|---------------|
| Total thickness | IO CTR 109 | µm | 35 - 100 |
| Grammage | ITP | g/m ² | 32 - 95 |
| Density | --- | g/cm ³ | 0,920 - 0,955 |
| Peelable strength (if applicable) | ITP | N/15mm | ~9 |
| Water vapor transmission rate 38°C 90%RH | ASTM F-1249 | g/(m ² ·24h·bar) | 4 - 12 |
| Oxygen transmission rate (O ₂ TR) 20°C 65%RH (Only barrier version) | ASTM D-3985 ASTM F-1927 | cm ³ /(m ² ·24h·bar) | 0,5 - 5,0 |

*these values are indicative but not limitative of the typical characteristics of the film. Exceptions to the reported range can be achieved.



Warning

Storage precautions

Keep the rolls in their original packaging in dry environment, protected from sunlight and atmosphere agents, at a temperature of 20 (+/-10) °C. Store the material in surrounding environment at least 24hours before using.

Recommended use (shelf life): within 6 months from production date. Exceptions to this period, when the material is correctly stored, have been successfully experimented.

Precautions for use

The information provided in this publication has to be considered true and accurate at the time of publication; the data are average figures for the ideal use of our material. They have been obtained using laboratory specimens and equipments . The publication of this information, however, does not represent a guarantee for further delivery.

The customer should take care to determine the suitability of such product for the intended use.