

## Films for thermoforming: TF serie

Coextruded multilayer PE, PP, PA ,EVOH based films, suitable for the packaging (top or bottom) of meat, sausages, cheese and other foods. Thanks to PA and EVOH these films have high barrier to oxygen, water vapor and aromas.

### Key features

- Excellent mechanical properties
- Very good puncture resistance
- High hot-tack property
- Suitable for pasteurization
- Wide sealing window
- High speed machinability
- Suitable for very deep thermoforming

The films are manufactured with raw materials conforming to European Union standards for food contact. 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	METHOD	UNITS	VALUE*
Total thickness	IO CTR 109	µm	50-180
Grammage	ITP	g/m <sup>2</sup>	47-178
Density	---	g/cm <sup>3</sup>	0.950-0.990
Minimum sealing temperature	--	°C	120
Oxygen transmission rate (O <sub>2</sub> TR) 20°C 65%RH	ASTM D-3985 ASTM F-1927	cm <sup>3</sup> /(m <sup>2</sup> ·24h·bar)	0,5-5
Water vapor transmission rate 38°C 90%RH	ASTM F-1249	g/(m <sup>2</sup> ·24h·bar)	2 - 7

*\*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 working environment at least 24 hours 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. Do not use the material for different applications from permanent thermolamination.