

Alflex 104A



Plastirol
part of PAG

Description

Plastirols cristal clear SB/GPPS film (Alflex) is a transparent polystyrene film. It has good clarity, and could be produced, depending on the mixture, more stiff or more flexible. Plastirol has different grades suitable for foodpackaging, for cosmetic applications and technical applications.

Key features

Certifications

The following approvals are available. FSSC 22000, standard 10/2011 EC and its amendments.

Printing

Alflex could be used for printing. Please contact our sales department in case printing is required for your application.

Product Availability

Finish

Standard natural gloss.

Physical properties

	Standart	Unit	Value
Mechanical properties			
E-Modulus	ISO 527	MPa	2300
Thermic properties			
Vicat VST/B/50	ISO 306	°C	66
Other properties			
Specific weight	ISO 1183	g/cm ³	1,03
Water vapour transmission	ASTM - F1249	g/m ² /24h	3,5 *)
Permeability CO ₂	ASTM - D1434	cm ³ /m ² -h-bar	2700 *)
Permeability O ₂	ASTM - D1434	cm ³ /m ² -h-bar	1250 *)
Haze value			
Virgin	Haze	%	Max 12 *)
*) 0,40 mm film			

Overall Migration test	Simulant	Test condition	Result
Dry, non fatty food	E. Tenax	10 days, 40°C	suitable
wet and aqueous food	A. Water	10 days, 40°C	suitable
sauer food, yoghurt, sauce	B. 3% acetic acid	10 days, 40°C	suitable
alcoholic drinks, milk	D1. 50% ethanol	10 days, 40°C	suitable
chocolate, cookies, fatty food	D2. 100% vegetable oil	10 days, 40°C	not suitable

Manufacturing Tolerances

	0.21 to 0.40	0.41 to 0.80	0.81 to 1.20	1.21 to 1.50	1.51 to 2.00
Film thickness	+/- 7%	+/- 5%	+/- 4%	+/- 3%	+/- 2%
thickness	+/- 1mm	+/- 1mm	+/- 2mm	+/- 2mm	+/- 2mm
Width					

Available options

Antiblock, internal or external
Antifog treatment
ESD coating
Color
Coextrusion

Additional information

Storage

We recommend to store our films with a maximum of 12 months after delivery without any UV exposure. Air humidity between 20% and 70%, temperature between 15 and 25 degrees Celcius. Longer storage can cause mechanical degradation

Recycling Circular

Alflex regrind of skeleton waste may be returned to Plastirol. Plastirol will facilitate the return of your regrind on demand.

Thermoforming

To keep Alflex 102A clear we recommend sheet temperatures of 100 – 140 degrees Celcius. To keep the shrink as low as possible we recommend mould temps around 60 degrees Celcius.

Visual aspects

	0 - 299	300 - 500	501 - 999	≥ 1000	*)
black spots PlastiPET HQ (virgin)	≤ 15 / m ²	≤ 3 / m ²	1	none	
black spots PlastiPET RQ (recycled grade)	No spec.	≤ 15 / m ²	≤ 3 / m ²	1	

*) values refer to a diameter of a circle, in micron measured

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Disclaimer

Above information is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.