

Plastiprop Homo



Plastirol
part of PAG

Description

Plastiprop is a film consisting of polypropylene with a low specific weight and is especially suitable for microwave applications. The film has a somewhat milky appearance, but can be produced clearer if required. Good resistance against fats, oils and various chemicals. Produced from 100% homopolymer and therefore more stiffness and clarity than the copolymer.

Key features

Certifications

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

Printing

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

Product Availability

Finish

Standard gloss

Physical properties

Physical properties	Standart	Unit	Value		
Mechanical properties					
E-Modulus	ISO 527	MPa	1500		
Thermic properties					
Vicat VST/B/50	ISO 306	°C	156		
Other properties					
Specific weight	ISO 1183	g/cm ³	0,9		
Water vapour transmission	ASTM - F1249	g/m ² /24h	0,2 *)		
Permeability CO ₂	ASTM - D1434	cm ³ /m ² -h-bar	1700 *)		
Permeability O ₂	ASTM - D1434	cm ³ /m ² -h-bar	1250 *)		
*) 0,40 mm film					
Haze value					
Virgin	haze	%	Max 20		
Recycled	haze	%	Max 20		
*) 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	suitable		
Manufacturing Tolerances					
Film thickness	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
thickness	+/-10%	+/-7%	+/-5%	+/-4%	+/-4%
Width	+/- 1mm	+/- 1mm	+/- 2mm	+/- 2mm	+/- 2mm

Available options

Antiblock, internal or external
 ESD coating
 Color

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 Circulair

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

Chemical resistance

Plastiprop shows a good resistance to aqueous solutions of salt, acid and alkalis. It also has good resistance to most solvents, alcohols, fats and oils, although very limited to ketones.

Visual aspects

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

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

Plastirol b.v.
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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.