

# 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		
<b>Mechanical properties</b>					
E-Modulus	ISO 527	MPa	1500		
<b>Thermic properties</b>					
Vicat VST/B/50	ISO 306	°C	156		
<b>Other properties</b>					
Specific weight	ISO 1183	g/cm <sup>3</sup>	0,9		
Water vapour transmission	ASTM - F1249	g/m <sup>2</sup> /24h	0,2 *)		
Permeability CO <sub>2</sub>	ASTM - D1434	cm <sup>3</sup> /m <sup>2</sup> -h-bar	1700 *)		
Permeability O <sub>2</sub>	ASTM - D1434	cm <sup>3</sup> /m <sup>2</sup> -h-bar	1250 *)		
*) 0,40 mm film					
<b>Haze value</b>					
Virgin	haze	%	Max 20		
Recycled	haze	%	Max 20		
*) 0,40 mm film					
<b>Overall Migration test</b>					
	<b>Simulant</b>	<b>Test condition</b>	<b>Result</b>		
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		
<b>Manufacturing Tolerances</b>					
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 <sup>2</sup>	≤ 3 / m <sup>2</sup>	1	none	
black spots Plastiprop RQ (recycled)	No spec	≤ 15 / m <sup>2</sup>	≤ 3 / m <sup>2</sup>	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.