

# GND

## Coextruded Transparent Film

### Applications

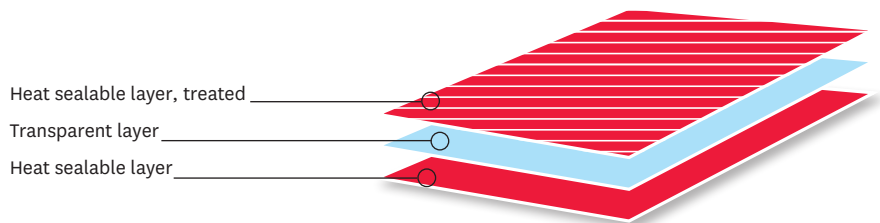
Heat sealable BOPP film for a wide range of applications.

### Description

GND is a transparent, two sides heat sealable, one side treated OPP film. Consistent production quality standards allow GND to be widely used on a variety of processing and packaging machines.

### Product features

- Excellent transparency
- Consistent slip
- Good moisture barrier
- High seal integrity



## Technical Data (Typical Value)

Properties	GND 20	GND 25	GND 30	GND 35	GND 40	GND 50	Unit	Measuring method
<b>Unit weight</b>	18.2	22.8	27.3	31.9	36.4	45.5	g/m <sup>2</sup>	ISO 4591
<b>Average yield</b>	54.9	44.0	36.6	31.4	27.5	22.0	m <sup>2</sup> /kg	ISO 4591
<b>Haze</b>	1.8	1.8	2.2	2.2	2.5	2.6	%	ASTM D 1003
<b>Heatseal strength</b>	2.0	2.0	2.0	2.5	2.5	2.5	N/15 mm	Treofan
<b>Heatseal range</b>								
Untreated	110-140	110-140	110-140	110-140	110-140	110-140	°C	Treofan
<b>Coefficient of friction</b>								
Film/film, treated, dynamic	0.30	0.30	0.30	0.30	0.30	0.30	-	ISO 8295
Film/film, untreated, dynamic	0.35	0.35	0.35	0.35	0.35	0.35	-	ISO 8295
<b>* Surface tension treated side</b>	≥ 36	≥ 36	≥ 36	≥ 36	≥ 36	≥ 36	mN/m	ISO 8296
<b>Tensile strength</b>								
Machine direction	140	140	140	140	140	140	N/mm <sup>2</sup>	ISO 527
Transverse direction	300	300	300	300	300	300	N/mm <sup>2</sup>	ISO 527
<b>Elongation at break</b>								
Machine direction	220	220	220	220	220	220	%	ISO 527
Transverse direction	55	55	55	55	55	55	%	ISO 527
<b>Water vapour permeability</b>								
23°C / 85% r.h.	1.4	1.1	0.9	0.8	0.7	0.6	g/m <sup>2</sup> /d	ASTM F 1249
38°C / 90% r.h.	6.8	5.5	4.6	4.0	3.5	2.8	g/m <sup>2</sup> /d	ASTM F 1249

\* within 6 months after production

## Availability

Dimensions	GND 20	GND 25	GND 30	GND 35	GND 40	GND 50	Unit
<b>Reel length</b>							
Standard length (6-times)	21 000	16 800	14 100	12 000	10 500	8 400	m
<b>Max. reel outside diameter</b>							
Core diameter 152 mm	775	775	777	775	775	775	mm

Max. reel width: 2000 mm (widths > 2000 mm on request)

### Storage

The reels should be kept in their original packaging until used. It is recommended that films are stored below 30°C in order to minimize deterioration of film properties. All films should be allowed to reach operation room temperature for 24 hours before use.

\* The treatment level declines with time.

### Food Approval

Treofan GND is in compliance with current US FDA and European food contact regulation.

### Health and Safety

Treofan GND has specially been developed for packing foods and meets the specific requirements on health and safety.

The figures and data provided in this datasheet are consistent with the current state of our knowledge and are intended to provide general information about our products and their applications. The data collected in this document is for non-binding information purposes only. The exact quality of the products is detailed in the technical specifications which are sent together with the order confirmation. Any existing commercial rights or patents must be observed. Certified according to DIN EN ISO 9001, DIN EN ISO 50001, BRC IOP, AIB. Compliance with industrial health and safety standards. Treofan OPP films do not present any significant danger to health and safety in the workplace, provided they are used for the intended purpose in accordance with conventional practices and that health and safety regulations are observed. Relevant guidelines can be found in our safety information.

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