

GNR

Matt Transparent Film

Applications

For laminates with matt look.

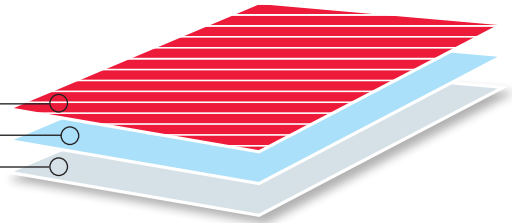
Description

GNR is a matt transparent, heat sealable, one side treated OPP film. This film offers a wide range of design options due to its matt surface.

Product features

- Matt finish
- Consistent slip properties
- High seal integrity
- Treated side is printable and can be laminated to other substrates
- Soft-touch effect

Heat sealable layer, treated
Transparent layer
Matt, heat sealable layer



Technical Data (Typical Value)

Properties	GNR 20	Unit	Measuring method
Unit weight	17.6	g/m ²	ISO 4591
Average yield	56.8	m ² /kg	ISO 4591
Haze	70	%	ASTM D 1003
Gloss			
At 60° (matt side)	12	gloss unit	ISO 2813
Heatseal strength	2.5	N/15 mm	Treofan
Heatseal range			
Untreated	115-140	°C	Treofan
Coefficient of friction			
Glossy side, treated, dynamic	0.25	-	ISO 8295
Matt side, untreated, dynamic	0.25	-	ISO 8295
* Surface tension treated side	≥ 36	mN/m	ISO 8296
Tensile strength			
Machine direction	120	N/mm ²	ISO 527
Transverse direction	240	N/mm ²	ISO 527
Elongation at break			
Machine direction	190	%	ISO 527
Transverse direction	60	%	ISO 527
Water vapour permeability			
23°C / 85% r.h.	1.8	g/m ² /d	ASTM F 1249
38°C / 90% r.h.	9.0	g/m ² /d	ASTM F 1249

* within 6 months after production

Availability

Dimensions	GNR 20	Unit
Reel length		
Standard length (6-times)	21 000	m
Max. reel outside diameter		
Core diameter 152 mm	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 GNR is in compliance with current US FDA and European food contact regulation.

Health and Safety

Treofan GNR 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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