

Producing films from top-quality raw materials using state-of-the-art technologies.



APPLICATION

Three-layered agriculture film

AGROERG UV agriculture film is designed to cover grow tunnels enhancing plant growth, to shelter plants from harmful weather conditions, to protect plant nurseries (fruit trees and shrubs, decorative plants) and generally to be used also in forestry.

The special new technology of the AGROERG UV three-layered agriculture film satisfies high quality requirements of even the most demanding of users. The two outer layers

provide proper elasticity, higher mechanical strength, and excellent visible light transmittance. The third, inner layer has improved thermal insulation properties, enhancing heat radiation blocking, which makes the overnight temperature in a tunnel higher by a few degrees compared to a traditional film.

STANDARD TECHNICAL PARAMETRES

Type and colour	Life*	Film width (m)	Film length (running metres)	Roll length (m)
UV 2 shade of blue	2 vegetation seasons (1 years)	6	33	1.7 or 3.15
		8	33	1.3 or 2.15
		12	33	1.3 or 3.15
UV 3 shade of yellow	2 vegetation seasons (1.5 years)	12	33	1.3 or 3.15
UV 4 shade of green	4 vegetation seasons (2 years)	6	33	1.7 or 3.15
		8	33	1.3 or 2.15
		12	33	1.3 or 3.15
UV 5 shade of red	5 vegetation seasons (2.5 years)	12	33	3.15
UV 6 transparent	6 vegetation seasons (3 years)	12	33	3.15

* The film should be installed within six months from the production date shown on the label.

Pallet-packed, rolls 3.15 m long are not pallet-packed.

UV 2 film with antifogging agent is available on request.

Non-standard film length is available on request.

Our films can be identified by special marking and perforation.

AGROERG UV

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APPLICATION

Anti-fog film

The product prevents both sides of the film from fogging, irrespective of the film installed on a tunnel. The anti-fog film should be installed in the upper part of the tunnel. The anti-fog agent makes water vapour droplets go down the tunnel walls instead of being condensed on plants. It allows to achieve remarkably good water re-circulation inside the tunnel and reduce heat losses.



STANDARD TECHNICAL PARAMETRES						
Colour	Life*	Film width (m)	Film length (running metres)	Roll lenght (m)	Number of rolls per pallet (pcs)	Pallet weight (kg)
Transparent	1 year	3.2	200	1.6	18	ca. 315
* The film should be installed within three months from the production date shown on the label.						
Non-standard film length and perforation are available on request.						

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APPLICATION

Shading film

Our film for shading decorative plants is an inexpensive and easy-to-use way to control covered crop vegetation rate (in grow tunnels or greenhouses). It reduces the quantity of light reaching the plant, and allows to delay or trigger blooming. In order to make plants bloom at the required time, a "short day" system is used, i.e. plants are covered with the film which extends their "night" time. It is a perfect solution to control blooming time, e.g. for chrysanthemums.



STANDARD TECHNICAL PARAMETRES						
Colour	Life*	Film width (m)	Film length (running metres)	Roll length (m)	Number of rolls per pallet (pcs)	Pallet weight (kg)
Black	1 year	3.2	150	1.6	11	ca. 292
			300		14	ca. 740

* The film should be installed within six months from the production date shown on the label.

Non-standard film length, thickness, and width are available on request.

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APPLICATION

Hydroponic film

AGROERG H black-and-white hydroponic film is used, among other things, in modern, soilless cultivation technology of vegetable and decorative plants. It is designed to cover ground in greenhouses or grow tunnels. Usually the white side should face outwards. The large amount of white pigment in the film gives it excellent light reflective properties. The black layer eliminates weed and algae growth completely. The thermal conditions of substrate are also improved. The film has excellent mechanical strength and UV radiation resistance. This film can be used in mushroom cultivation (common and oyster mushrooms). The hydroponic film comes without and with overprint.



STANDARD TECHNICAL PARAMETRES							
Colour	Life*	Film width (m)	Film thickness (mm)	Film length (running metres)	Roll lenght (m)	Number of rolls on pallet (pcs)	Pallet weight (kg)
White and black	1 year	3.6	0.08	200	1.6	10	ca. 530
				100	1.6	14	ca. 371
			0.06	300	1.3	10	ca. 597
				150	1.3	14	ca. 420
		4.2	0.08	200	1.3	10	ca. 620
			0.06	200	1.3	10	ca. 465
* The film should be instilled within six months from the production date shown on the label.							
Non-standard film length and perforation are available on request.							

AGROERG H

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APPLICATION

Perforated agriculture film

Film perforation allows airing and penetration of rain water to the area under the film. This visibly improves early growth conditions for vegetables. The air humidity and temperature between the soil and the film is higher than the air over

uncovered soil. The soil temperature is also increased. The film protects plants from cool winds and short-terms frosts, and allows to use soil water reserves more efficiently.

STANDARD TECHNICAL PARAMETRES

Type and colour	Life*	Film width (m)	Film length (running metres)	Roll length (m)	Number of rolls per pallet (pcs)	Pallet weight (kg)
Transparent ca. 100 holes σ10 mm/m ²	1 year	3.2	200 300	1.6	14	ca. 415
					18	ca. 440

* The film should be installed within six months from the production date shown on the label.

Non-standard film length, different perforation density and smaller hole, i.e. ca. 4 are available on request.

The films are UV-stabilized. Our offer includes perforated films without the UV stabilizer.

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APPLICATION

Mulch film

The mulch film is applied as a cover of the soil for cultivating strawberries, cucumbers, tomatoes, peppers, and similar cultures. Its main role is to eliminate weed growth, and create environment around plants enhancing growth, as well as the quality of crops, especially compared to traditional field culture.

The black film is mainly used for open-air fields, whereas the white film is mostly used in growth tunnels and greenhouses to improve light conditions.



STANDARD TECHNICAL PARAMETRES

Colour	Life*	Film width (m)	Film thickness (mm)	Film length (running metres)	Roll length (m)	Number of rolls per pallet (pcs)	Pallet weight (kg)
Black	1 year	1.2	0.055	160	1.2	50	ca. 500
White	1 year	3.8	0.1	40	1.0	50	ca. 755

* The film should be installed within six months from the production date shown on the label.

Non-standard film length, thickness, width and black-and-white mulching film are available on request

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APPLICATION

Laminating film

Laminating film

Polyethylene film is used for laminating frozen food packaging (fruits, vegetables, raw meat, cooked meat, French fries) or other groceries and industrial products.

Laminating film for frozen food packaging

Polyethylene film is used for packing all kinds of frozen food (French fries, vegetables, fruits, potato-based products, poultry, convenience food, delicatessen).

Next generation of laminating film

Our modified technological process gives the film excellent properties: high optical and esthetical surface parameters, high puncture resistance, high stiffness, excellent strength values.

PEEL-type laminating film

It has special properties which allow easy opening solutions for packaged product.

STANDARD TECHNICAL PARAMETERS

Film type	Film width (mm)	Film thickness (mm)	Colour*
Standard laminating film	2400 max	0.02-0.2	Transparent, white
Next generation laminating film	2400 max	0.02-0.2	Transparent, white
PEEL-type laminating film	2400 max	0.05	Transparent, white, gold
Laminating film for frozen food packaging	2400 max	0.02-0.1	Transparent, white

* Other colours available on request

Packaging films

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APPLICATION

Polyethylene film is designed for different applications in all types of industries:

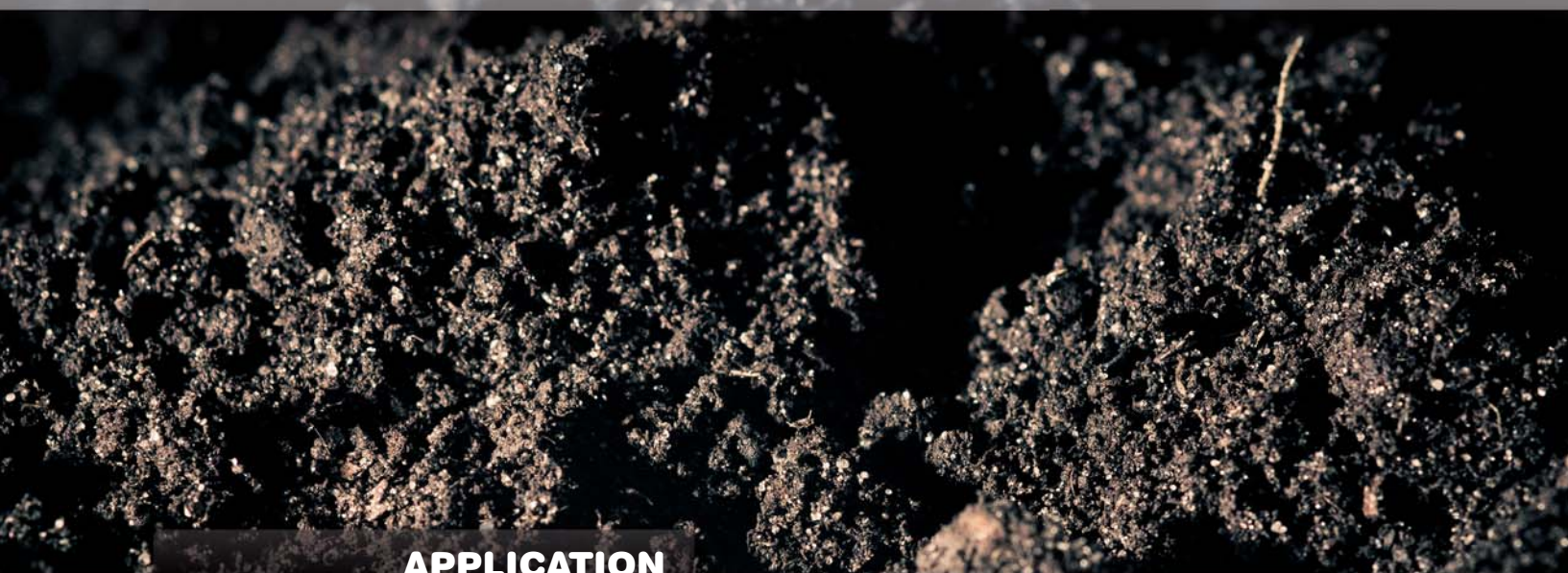
- for multi-packaging of products (beer, juices, drinks, etc.)
- tensile polyethylene film is designed for mechanical or manual wrapping and packaging of single products
- air bubble film is designed for packaging of fragile ceramics, glassware, electronics, electro-technical appliances, as well furniture; besides it can be also used in confectionery and food industry

- we produce carrier bags and other types of industrial hand-held bags ranging from film tape-folded bags to centre-folded film bags (with welding on sides) for different applications, including transport of debris.

Overprinting by flexographic method can be done in 8 colours

STANDARD TECHNICAL PARAMETERS				
Film type	Film shape	Film width (mm)	Film thickness (mm)	Colour
Shrink film	Sleeve	700-2400	0.02-0.2	Transparent, white *
	Sleeve with two overlaps	2400 max (circuit 6000 max, overlaps 300 min)		
	Tape	350-240		
Stretch film	For manual packaging – 3 kg	500	0.023	Transparent *
	Mechanical – 17 kg			
	Jumbo – 50 kg			
Packaging film	Sleeve	280-2400	0.02-0.2	Transparent, white *
	Sleeve with two overlaps	2400 max (circuit 6000 max, overlaps 300 min)		
	Centre folded film	250-2400		
	Tape	350-2400		
Film type	Film shape	Width (mm)	Basis weight (g/m ²)	Colour
Air bubble packaging film	tape	1200	For 2-layer film – 60, 70, 110, for 3-layer film – 110, 150	Transparent, with antistatic agent – pink
Film type	Height (mm)	Width (mm)	Thickness (mm)	Colour
Carrier bags and bags	350-500 with overlap	150-1000	0.02-0.10	on request
	350-500 without overlap			
* Other colours available on request				
Width of produced air bubble film is 1200 mm (with possibility to cut during production for tape width min. 200 mm), bubbles diameter is 10 mm, height 4 mm. Film length: 110 m, in case of the film with basis weight 60 g/m ² - 100 m				
Possibility of overprint to 6 colours with max width of print to 1300 mm or to 8 colours – max width of print to 830 mm (except of air bubble film and stretch film)				

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APPLICATION

Polyethylene films are designed for packaging of: different type of grocery products (milk, cream, buttermilk, sour soup, bread, rolls, grits, salt, dry food for animals, etc.); hygiene products (paper tissues, toilet paper, sanitary napkins, diapers, paper towels); soil, peat, etc., and for packaging construction and insulation materials, etc. ECO film is a type of synthetic paper. Its structure guarantees high resistance to tearing and punching. It may be recycled. It is used for food packaging, especially greasy products, like butter, margarine, greases, ice cream, and most of products of the "fast food" industry, etc.



STANDARD TECHNICAL PARAMETERS			
Film type	Film width (mm)	Film thickness (mm)	Colour*
Packaging film for liquid food products	300	0.08 -0.09	White-and-white, white-and-black or white-and-black-and-white
	320		
Film for packaging of soil, peat, etc.	2400 max	0.05-0.08	Black-and-white
Packaging film for food products	2400 max	0.03-0.08	Transparent, white
Packaging film for hygiene products	2400 max	0.028-0.06	Transparent, white
Film for bread packaging	2400 max	0.03-0.08	Transparent, white
Packaging film for construction and insulation products	2400 max	0.02-0.08	Transparent, white
ECO film	350	0.04-0.06	White
	700		

* Other colours available on request

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APPLICATION

Telecommunication and optotelecommunication film is used for marking underground telecommunications networks.

Orange in colour and has an inscription:

- CAUTION! OPTOTELECOMMUNICATION CABLE
- CAUTION! TELECOMMUNICATION CABLE

By using the highest quality raw materials, we obtained a film with high durability and mechanical strength, which is resistant to soil factors.

Power transmission film is used for marking underground power grid. It is produced in the following colours:

- RED – for marking cables with rated voltage below 1 kV
- BLUE – for marking cables with rated voltages above 1 kV

Raw materials used in the production of our tapes guarantee their high quality and durability. Tapes are manufactured based on the standard dependent on rated voltage of the power grid.

Warning and caution film is used for marking road works, excavation, works at heights, blasting works, etc.

STANDARD TECHNICAL PARAMETERS				
Film type	Colour	Film width (mm)	Film length (running metres)	
Telecommunication and optotelecommunication film	Orange with printing	200	100 200	
		400	500	
Power transmission film	Red, blue	200	100	
		400		
Warning and signaling film	Yellow-and-black	80	200 100	
		120	500	
	White-and-red	80	200	100
		120		500

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APPLICATION

Photodegradable film

Photodegradable film is used to accelerate or reduce the growing season of corn. Its main task is appropriate shaping of the microclimate, so that the growth proceeds faster, and higher and better yields compared to conventional soil cultivation can be obtained. Film auto-degrades after the growing season.



STANDARD TECHNICAL PARAMETERS

Colour	Film thickness (mm)	Film width (mm)	Roll length (running metres)
Transparent	0.009, 0.012	640, 1370	On request

Agriculture films

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APPLICATION

Building film

LIGNOFOL® polyethylene building film (depending on thickness) is designed for:

- sliding layer on the terrace surface,
- protecting against moisture of thermal and acoustic insulation,
- temporary roof surface protection,
- shielding elevations and windows during finishing works,
- temporary, portable protection of work places, construction materials, etc.
- placing a steam-tight layer in construction of the wall and ceiling,
- placing a layer against moisture underground parts of buildings

Advantages:

- resistant to transmission of water steam,
- effective protection of underground parts of buildings against moisture,
- effective protection against disadvantageous influence of atmospheric factors,
- durable against stretching and tearing,
- flexible and easy to apply

STANDARD TECHNICAL PARAMETERS

Film type	Colour*	Film width (m)	Film length (running metres)	Roll length (m)	Number of rolls per pallet (pcs)
Construction	Black	4-12	20, 25, 33	1.0-3.15	25-100
Construction	Transparent	4	50	1.0	30
Steam insulation	Yellow	2 or 4	20, 25, 33, 50	1.0	30-100

* Other colours available on request

Packaging:

Film is wound on core 76 mm in internal diameter, and length from 1.7 to 3.15 m, and wrapped up in the polyethylene film

We also offer "TYP" – a film of general application, designed for applications not requiring specialist films

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Packaging film with overprint



APPLICATION

We offer our clients overprints on packaging films from our flexographic printing house. We provide comprehensive preparation of the production. We prepare negative image and photopolymer matrices, as well as printing designs tailored to the requirements of flexographic technology in our graphic studio. We have professional imaging software, and high-quality measuring equipment.

Prepress:

Tel.: +48 32 216 02 30

SHEETS OF FILM

We offer to cut the film into sheets.

STANDARD TECHNICAL PARAMETERS

Services	Parameters
Flexographic overprint	8-colour printer allows overprints with a width up to 800 mm and a length up to 670 mm
	6-colour printer allows to overprints with a width up to 1300 mm and a length up to 1000 mm
Sheets of film	Film sheets with dimensions 300 x 350 mm

Packaging films

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APPLICATION

Silage film

The silage film is designed to preserve fresh and faded green plants, and is mainly used in cover silage heaps and silos, cover clamps of fodder plant roots and bulbs, as well as line and cover decanters, manure pits, and the like. The black-and-white film is used in mushroom cultures (common mushroom and oyster mushroom). Specially modified three-layered film has higher mechanical strength and puncture force. It ensures proper temperature required

for the ensilage process. The three-layered structure does not transmit long-duration heat radiation. Proper silo coverage prevents air and water access, as well as carbon dioxide from escaping, simultaneously preserving the silage. The black-and-white film makes a silo more efficient. The white layer reflects sun rays and reduces the temperature inside the silo, while the black layer maintains the proper temperature inside the silo.

STANDARD TECHNICAL PARAMETRES

Colour	Life*	Film width (m)	Film length (running metres)	Roll length (m)	Number of rolls per pallet (pcs)	Pallet weight (kg)
Black	1 year	6	33	1.0 or 1.7	50	ca. 1375
		8	33	1.0 or 1.8	30	ca. 1100
		12	33	2.15	25	ca. 1375
Black-and-white	1 year	8	33	2.15	30	ca. 1100
		12	33	2.15	25	ca. 1375

* The film should be used within six months from the production date shown on the label.

Non-standard film length, thickness and width are available on request.

SILOERG PRYZMA

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APPLICATION

Hay-silage film

This film is designed to make hay-silage using baling machines. Its high elasticity ensures a tight fit over bales and silage protection, meeting all demands and expectations of our customers. The three-layered film structure provides a much better barrier for gases, and a better airtight seal hay-silage. The film is UV-stabilized, which protects it from UV radiation, thus providing durability of up to a year from

wrapping. Since the film is produced from top-quality raw materials, it is highly resistant to adverse weather conditions such as rain, snow or frost.

Film is UV-stabilized

STANDARD TECHNICAL PARAMETRES

Colour	Life*	Film width (m)	Film length (running metres)	Roll length (m)	Number of rolls per pallet (pcs)	Pallet weight (kg)
White, green	1 year from wrapping, but not more than 18 months from the production date shown on the label	500	1800	0.5	36	ca. 792
		700	1500	0.75	24	ca. 648

* Depending on the numbers of film layers and bales size.

SILOERG

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APPLICATION

Thermal insulation film

The thermal insulation film is used to warm growth tunnels, greenhouses, frames, and utility rooms. The mat should be installed inside or outside of growth tunnels and greenhouses in autumn, when the average day and night temperatures do not exceed 10°C, and removed in spring when the temperature rises above this limit. Properly installed insulation allows to reduce heat losses by 30%, and increase temperature inside the object by 3-4°C, which results in energy cost reduction.



STANDARD TECHNICAL PARAMETRES

Colour	Life*	Film width (m)	Roll length (m)	Bubble height (mm)	Bubble diameter (mm)	Roll weight (kg)
Transparent with shade of blue for UV-stabilized film	1 year	1.3	60	10	30	13

* The film should be installed within six months from the production date shown on the label.

TERMOERG MAT

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APPLICATION

Adhesive film

Adhesive (protective) film is used to protect (by mechanical or manual application) smooth surfaces before dirt, scratches, etc. during storage, transporting, or further treatment, e.g. bending or thermoforming. The materials are connected as a result of film adhesion to protected surface without the usage of glue. This aspect facilitates recycling of used film, and makes our product environmentally friendly. Our film is easy to remove from protected surfaces, without leaving any traces of film behind. Our film can also be used to protect smooth surfaces made of materials such as PET, glass,

PC, PMMA, PS, PVC, PP, ABS, and enameled surfaces. The adhesion-type film could also be used for laminating others materials, like e.g. PET. In such application it is used as a sealing layer. Due to the fact that film adhesion to the surface of a material depends mainly on the kind of material, the quality of the surface, and the temperature of the material during the process of film coating, and storing materials protected with film, it is recommended to conduct technological tests beforehand at each site of interest.

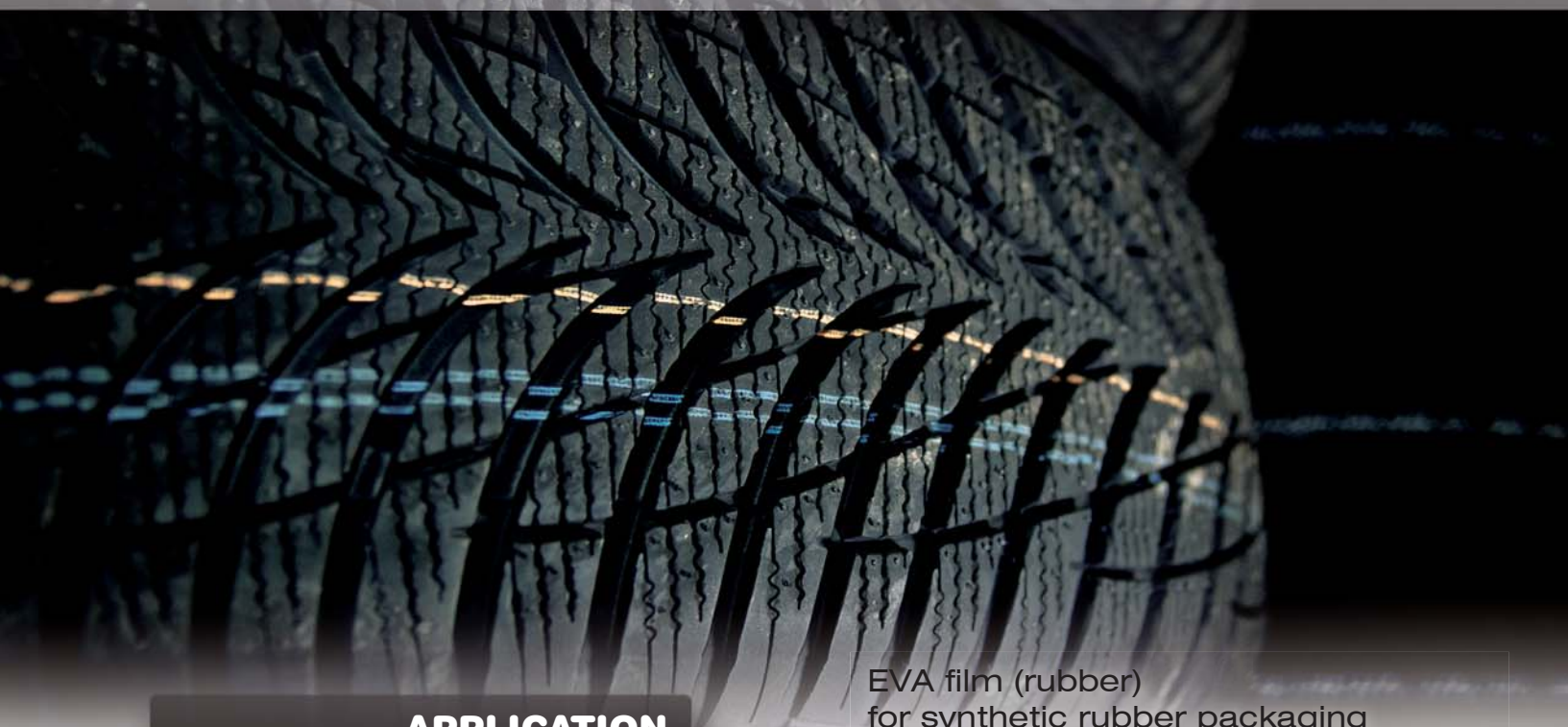
STANDARD TECHNICAL PARAMETERS

Film type	Film shape	Film width (mm)	Film thickness (mm)	Colour
Adhesive film	Tape	Up to 2400	0.030, 0.035, 0.05, 0.06	Transparent

Adhesive film

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APPLICATION

EVA film (rubber)
for synthetic rubber packaging

This film is used in the rubber industry, and as packaging for synthetic rubber, as together with raw material is exposed to the process of rubber production. The film has a reduced softening and melting point.



STANDARD TECHNICAL PARAMETERS				
Film type	Film width (mm)	Film thickness (mm)	Colour	Film shape
Rubber film	Max to 500	0.05 ± 10%	Transparent	Sleeve

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APPLICATION

Protective films

Repair and construction sheets

Temporary protection during construction works.

Debris bags

Bags made from polyethylene for removing and transporting debris.



STANDARD TECHNICAL PARAMETERS

Type	Colour*	Dimensions (m)
Sheets	Black	3 x 5
		3 x 10
		3 x 15
		4 x 5
		5 x 6
Debris bags	Order-based	Width (mm)
		Up to 700

*Other colours available on request

Sheets, debris bags

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