

PE & PET Release Films

Release films for self-adhesive waterproofing membrane production



PE Release Film

Polyethylene release film for protecting the adhesive layer and controlled separation.



PET Release Film

Polyester release film for adhesive protection and clean removal.

SPECIFICATIONS

Thickness options

27 μm ; 30-60 μm

Width range

80-2500 mm

Data grade

35 $\pm$ 5 μm ; width 1060 $\pm$ 10 mm

TECHNICAL DATA

Maximum force MD / TD

30 / 25 N/50 mm

Elongation MD / TD

202% / 312%

SPECIFICATIONS

Thickness

20-50 μm

Width range

50-2020 mm

Colours

Clear / milky white

TECHNICAL DATA

Film substrate

PET (polyester)

Release surface

Release-coated film surface

PE force and elongation: 35 μm grade. MD / TD = machine / transverse direction.

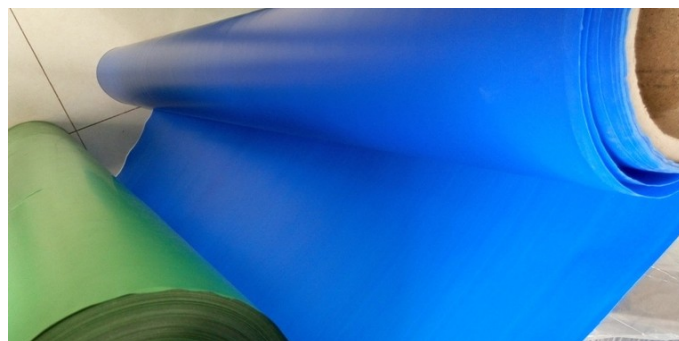
PE & HDPE Surface Films

Surface films for waterproofing membranes and finished-roll wrapping



Thin PE Surface Film

Thin PE film for the surface treatment of waterproofing membranes, including SBS bituminous membranes.



HDPE Surface & Shrink Film

Facing for SBS and self-adhesive membranes; an alternative facing to cross-laminated film. Also supplied for heat-shrink wrapping of finished membrane rolls.

SPECIFICATIONS

Thickness range

7-15 μm

Width range

1050-1100 mm

Data grade

12 $\pm$ 1 μm ; width 1080 $\pm$ 10 mm

TECHNICAL DATA

Maximum force MD / TD

14 / 10 N/50 mm

Elongation MD / TD

162% / 254%

SPECIFICATIONS

Thickness options

50 μm ; 65-250 μm

Width range

900-1300 mm

Common shrink-wrap grade

50 μm

TECHNICAL DATA

Film material

High-density polyethylene (HDPE)

Grade functions

Membrane facing / heat-shrink roll wrap

PE force and elongation: 12 μm grade only. HDPE grades are specified separately.

Continuous-Filament Polyester Nonwoven

Polyester reinforcement for SBS / APP bituminous waterproofing membranes



Continuous-filament polyester roll



Reinforcement rolls in storage

Continuous-filament polyester reinforcement for SBS / APP membranes and asphalt shingles.

SPECIFICATIONS

Basis-weight grades	120 / 140 / 160 / 180 / 200 / 220 / 240 / 250 / 260 / 280 / 300 g/m ²
Roll widths	1010 / 1020 mm

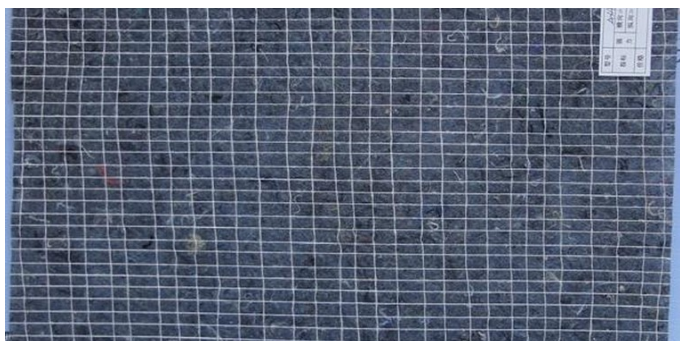
TECHNICAL DATA

ITEM / UNIT	120 g/m ²	140 g/m ²	160 g/m ²	180 g/m ²	200 g/m ²	250 g/m ²
Mass variation (%)	10	10	10	10	10	10
Tensile force TD (N/50 mm)	270	320	380	500	550	830
Tensile force MD (N/50 mm)	350	400	470	600	650	950
Tear strength TD (N)	250	280	320	350	370	470
Tear strength MD (N)	280	300	330	360	380	500
Elongation at break MD (%)	22	25	28	31	33	38
Elongation at break TD (%)	28	32	35	37	38	45
Water resistance (%)	95	95	95	95	95	95
Moisture content (%)	0.50	0.50	0.50	0.50	0.50	0.50
Thermal dimensional stability (%)	1.50	1.40	1.20	1.00	0.90	0.60

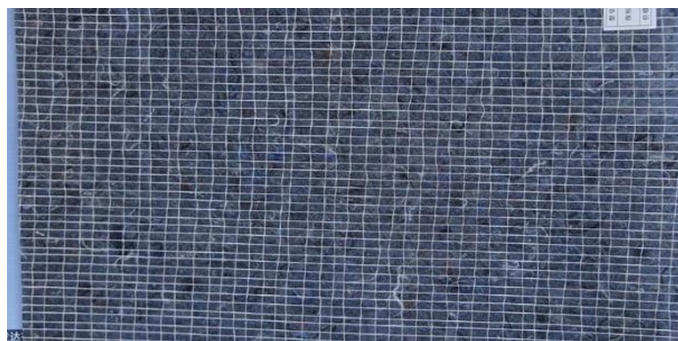
MD = machine direction; TD = transverse direction. Requirements apply to the grade shown.

Compound Base Mat

Glass-Scrim-Reinforced Nonwoven for SBS/APP Waterproofing Membranes



4 x 4 composite base mat



5 x 5 composite base mat

Glass mesh bonded with a nonwoven web forms a composite carrier for SBS / APP bituminous membranes and asphalt shingles.

SPECIFICATIONS

Mesh models 4x4 / 5x5 / 6x6 / 7x7; Leno 7x7 / 8x8 / 9x9

Basis weights 90 / 100 / 110 / 120 / 130 / 140 / 180 g/m²

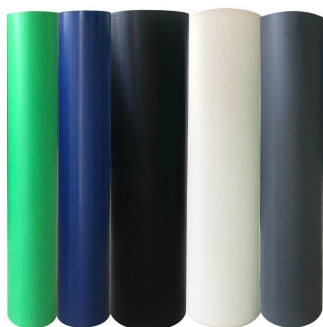
TECHNICAL DATA

ITEM / UNIT	4x4	5x5	6x6	7x7	Leno 7x7	Leno 8x8	Leno 9x9
Basis weight (g/m ²)	90	100	110	120	130	140	180
Mass variation (%)	10	10	10	10	10	10	10
Tensile force TD (N/50 mm)	150	200	280	470	500	600	1000
Tensile force MD (N/50 mm)	300	400	500	550	600	700	1000
Elongation at break (%)	3	3	3	3	3	3	3
Tear strength TD (N)	140	160	210	320	330	350	550
Tear strength MD (N)	250	270	320	370	380	400	600
Water resistance (%)	80	80	80	80	80	80	80
Moisture content (%)	2.50	2.50	2.50	2.50	2.50	2.50	2.50

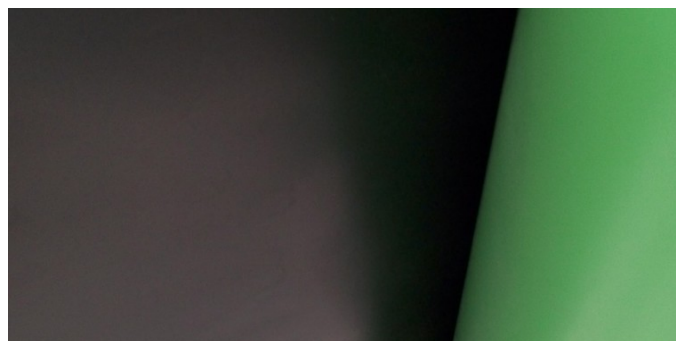
MD = machine direction; TD = transverse direction. Leno identifies the mesh construction.

HDPE Cross-Laminated Film

Cross-laminated facing and reinforcement film for self-adhesive membranes



Cross-laminated film



Surface and two-side colour

Cross-laminated HDPE film for the facing or reinforcement layer of self-adhesive waterproofing membranes. Match both film faces to your membrane design.

HDPE construction

Two-side colour

Roll supply

SPECIFICATIONS

Construction	Cross-laminated HDPE
Stated grade	100 ± 5 µm; width 960 ± 10 mm
Additional formats	120 µm; widths 980 / 1000 mm
Two-side colours	Black/black, blue/blue, green/green, white/white, grey/grey; custom different-colour A/B faces

TECHNICAL DATA

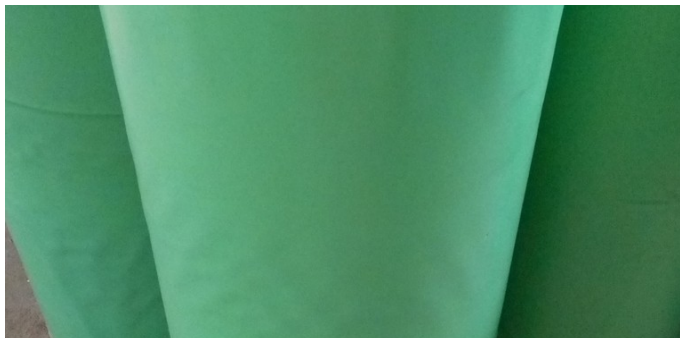
Maximum force	MD 326 / TD 315 N/50 mm
Elongation at break	MD 303% / TD 312%

Values apply to the stated grade. MD = machine direction; TD = transverse direction.

Specify product, gauge / basis weight, width, quantity and destination for a quotation.

PET Carrier Film for Waterproofing Membranes

Polyester carrier film for waterproofing membrane manufacturing



PET carrier film rolls



Carrier-film roll packing

PET film forms an internal carrier layer in waterproofing membranes. Specify film gauge, width and directional mechanical properties for your production line.

PET film carrier

Internal support

Converting formats

SPECIFICATIONS

Material	Polyethylene terephthalate (PET)
Stated thickness	100 ± 5 µm
Stated width	1000 ± 10 mm
Other thicknesses	70 / 100 µm; colour and roll format options

TECHNICAL DATA

Maximum force	MD 716 / TD 882 N/50 mm
Elongation at break	MD 131% / TD 90%

Values apply to the stated grade. MD = machine direction; TD = transverse direction.

Specify product, gauge / basis weight, width, quantity and destination for a quotation.

Foil Laminates & Metallized PET Film

Two distinct metallic facings for waterproofing membranes



Aluminium Foil / PET Laminate

A solid aluminium foil layer laminated with PET for waterproofing membrane facings. Gauge refers to the total laminate thickness.

SPECIFICATIONS

Total thickness range

20-50 μm

Common PET + foil builds

35 μm = 28 μm PET + 7 μm Al

40 μm = 33 μm PET + 7 μm Al

45 μm = 38 μm PET + 7 μm Al

Aluminium foil layer

7 μm

Width

1000-1030 mm

TECHNICAL DATA

Maximum force MD / TD

282 / 348 N/50 mm

Elongation MD / TD

93% / 80%



Metallized PET Film

PET film with a deposited aluminium coating. The stated gauge is the PET substrate thickness, with no separate solid aluminium foil layer.

SPECIFICATIONS

Common PET gauges

25 / 36 μm

Gauge definition

PET substrate thickness

TECHNICAL DATA

Substrate

PET (polyester)

Aluminium structure

Deposited coating; no solid foil layer

Left-column force and elongation: 45 μm laminate only; not metallized PET.

Production & Supply

Film processing, converting and roll preparation



Coating process



Film processing



Roll packing



Stock preparation

RAW MATERIAL SUPPLIER TO WATERPROOFING BRANDS

We supply raw materials to the waterproofing brands shown below.



Discuss your material requirements

Product
Dimensions
Quantity
Destination

[Request a quotation by email.](#)