

## PE Release Film

### Description

PE release film is made of polyethylene (PE) as carrier, silicon coated on either one or two-sided releases options. The film is uniform coated and very smooth and clean without wrinkles/tears/granules/bubbles/pinholes or other defects. This highly conformable product bonds well to most surfaces over a wide range of temperatures and PE release film is heavily used in consumer products worldwide.

### Features

- ◆ Excellent flexibility and tear resistance
- ◆ Durable, lay-flat, strong tensile strength
- ◆ High chemically inert, and good adhesion properties
- ◆ Multi-color selection

### Uses

- ◆ Release liner for self-adhesive waterproof membranes and other waterproof materials, adhesive tapes.
- ◆ For cables production, packaging materials
- ◆ Release liner for cast materials, ceramic capacitors, window materials, printing, and advertisements



### Type and Specification

Thickness, mm	0.02 – 0.50 or customized
Width, m	0.05 – 2.02 or customized
Length, m	3000 or customized
Color	Red, blue, white, transparent, milky white, or customized
Film texture	Embossed or plain
Thickness of silicon layer, $\mu\text{m}$	0.2 ~ 0.9 or customized
Density, $\text{g/cm}^3$	0.925

### Technical Data: GB/T17643-2008

No	Item	Direction	Index
1	Tensile strength, MPa $\geq$	Longitudinal	17
		Transverse	17
2	Elongation at maximum tension, % $\geq$	Longitudinal	350
		Transverse	350
3	Thermal shrinkage ratio, 120 $^{\circ}\text{C}$ *10 minutes, $\leq$	Longitudinal	0.7
		Transverse	0.3
4	Thermal stability, % $\leq$	Longitudinal	0.4
		Transverse	0.4
5	Release force, $\text{g/cm}^2$	Customized	
6	Heat resistance, 200 $^{\circ}\text{C}$ , 60 minutes	No bubbles, no laminating, no crack	
7	Remainder adhesion plaque rate, % $\geq$	80	

### Packing and storage

4 rolls/pallet depending on the length of the roll.

Store away from sources of punctures and physical damage. Keep dry and store away from ignition sources and open flame.

Shelf Life: Unlimited

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