

Cross Laminated HDPE Film

Description

The cross laminated HDPE film is made by laminating HDPE films with their orientation directions crossed at around 90 degrees (45 degrees from the machine direction). The film has excellent tensile and tear strength in longitudinal and transverse direction, resistance to low and high temperature, UV and chemical resistance, anti-puncture and self-healing. It is widely used at waterproof membranes and packages.

Features

- ◆ Excellent tensile strength and tear resistance
- ◆ High dimension stability and weather resistance
- ◆ Strong temperature flexibility, resistance to low and high temperature
- ◆ Excellent adhesivity with asphalt
- ◆ High puncture and impact resistance
- ◆ Multi-color selection

Uses

- ◆ Medical and electric fields
- ◆ Labels, packages, pesticides, advertisements, maps, explosives
- ◆ Reinforced film for waterproof membranes as the facing and fetal membranes on the top surfaces or in the middle of the membranes



Type and Specification

Thickness, mm	0.075 – 0.11 or customized
Width, m	0.05 – 1.04 or customized
Length, m	50m or customized
Color	Black, White, Blue & Black, Green & Black, Double Black, Double Green

Technical Data: GB23441-2009

No	Item	Direction	Index	
1	Tensile strength, N/5cm \geq	Longitudinal	250	
		Transverse	250	
2	Elongation at maximum tension, % \geq	Longitudinal	250	
		Transverse	250	
3	Nail shank tearing, N \geq	Longitudinal	120	
		Transverse	120	
4	Thermal stability, \leq	Longitudinal	0.4%	
		Transverse	0.4%	
5	Thermal aging, % \geq	Pull force	Longitudinal	96
			Transverse	96
		Elongation at maximum tension	Longitudinal	94
			Transverse	94
6	Heat resistance, 120°C, 10 minutes	No bubbles, no laminating		
7	Low temperature flexibility, -35°C	No cracks, no laminating		

Packing and storage

10-24 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