



High Density Polyethylene Film HDPE 200 M

*Product Name:

plastic film 200 M vapor barrier.

*Product Description:

plastic film 200 M vapor barrier is used as a below-slab vapor barrier.

*Technical Data:

Physical Properties of Plastic film 200 M vapor barrier Class A.

Properties	TEST	RESULT
Under Slab Vapor Retarders	Class A & B – Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs	Class A
Water Vapor Permeance	Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor	0.0209 Perms
Permeance After Conditioning	Section 8, F1249 – Permeance after wetting, drying, and soaking Section 11, F1249 – Permeance after heat conditioning Section 12, F1249 – Permeance after low temperature conditioning Section 13, F1249 – Permeance after soil organism exposure	0.0226 Perms 0.0222 Perms 0.0214 Perms 0.0214 Perms
Puncture Resistance	Test Method for Impact Resistance of Plastic Film by Free-Falling Dart Method	123 N
Thickness (minimum average), mm Yield Stress Tear resistance Density at 24°C (unpigmented)	Standard test method for measuring thickness Test Method for Tensile Properties of Thin Plastic Sheeting Tear resistance test method for plastic films Standard Test Method for Density of Plastics by the Density Gradient Technique	0.20mm ±10% 12.95 MPa 42.8 N 0.928 g/cm ³
Roll Dimensions	width x length: Total:	4 m *60 m 240 m ²
Roll Weight	60 kg	

*TABLE 2- TYPICAL PERFORMANCE

CHARACTERISTICS:

Millimeter	Gauge	Micron(μ)	Mill
0.20	800	200	8

$$1 \text{ gauge} = 1/100 \text{ mill} = 1/100.000 \text{ inch} = 25.4/100.000 \text{ mm} = 0.254 \text{ M}$$



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*Composition:

plastic film 200M vapor barrier is a multi-layer plastic extrusion manufactured with only the highest quality grade of prime, virgin, polyethylene resins.

*Environmental Factors:

plastic film 200M vapor barrier can be used in systems for the control of soil gases (radon, methane), soil poisons (oil by-products) and sulfates.

*Basic Use:

Used as a vapor barrier and damp proof membrane in concrete slabs, floors, insulation boards shuttering, etc... For corrosion protection of water and oil pipelines. Protects from the sun, wind, rain, dust and damage.

*Application:

Sleeves for corrosion protection of water and oil pipelines. Agricultural film for greenhouses, plastic tunnels & other Agri-techniques. Construction film used as a vapor barrier and damp proof membrane in concrete slabs, floors, over insulation boards, shuttering etc.

*Durability:

It retains its physical properties and remains chemically resistant to aggressive soil organism, plant and other soil fauna as well as domestic sewage and retains its flexibility in temperatures over 80°C.

*Installation:

UNDER SLAB: Unroll the plastic film Class A over an aggregate, sand or tamped earth base. Overlap all seams a minimum. All penetrations must be sealed.

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High Density Polyethylene Film HDPE 400 M

1_Product Name: _

4B Contracting plastic film 400 micron vapor barrier

2_Product Description: _

plastic film 400 micron vapor barrier is used as a below-slab vapor barrier.

3_Technical Data: _

Physical Properties of 4B Contracting Plastic film 400 micron vapor barrier Class C

Properties	TEST	RESULT
Under Slab Vapor Retarders	ASTM E1745 Class A, B & C – Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs	Class C
Water Vapor Permeance	ASTM F1249 – Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor	0.0209 perms
Permeance After Conditioning	ASTM E154 Section 8, F1249 – Permeance after wetting, drying, and soaking	0.0226 perms
(ASTM E1745 Sections 7.1.2 - 7.1.5)	ASTM E154 Section 11, F1249 – Permeance after heat conditioning	0.0222 perms
	ASTM E154 Section 12, F1249 – Permeance after low temperature conditioning	0.0214 perms
	ASTM E154 Section 13, F1249 – Permeance after soil organism exposure	0.0214 perms
Puncture Resistance	ASTM D1709 – Test Method for Impact Resistance of Plastic Film by Free-Falling Dart Method	1,286 grams
Thickness (minimum average), mm	ASTM D5199 - Standard test method for measuring thickness	0.40mm ±10%
Tensile Strength	ASTM D882 – Test Method for Tensile Properties of Thin Plastic Sheeting	160 Kg/cm ²
Tear resistance	ASTM D1004 - Tear resistance test method for plastic films	80 kg/c m ²
Density at 24°C (unpigmented)	ASTM D1505 - Standard Test Method for Density of Plastics by the Density-Gradient Technique	0.923 g/CC
Roll Dimensions	width x length:	4 m *60 m
	Total:	240 m ²
Roll weight		60 kg



4-TABLE 2- TYPICAL PERFORMANCE CHARACTERISTICS

Millimeter	Gauge	Micron(μ)	Mill
0.40	1600	400	16

1gauge=1/100mill = 1/100.000 inch=25.4/100.000mm = 0.254micron

5_ Composition: 4B Contracting plastic film 400 micron vapor barrier is a multi-layer plastic extrusion manufactured with only the highest quality grade of prime, virgin, polyethylene resins.

6_ Environmental Factors 4B Contracting plastic film 400 micron vapor barrier can be used in systems for the control of soil gases(radon, methane), soil poisons (oil by-products) and sulfates

7_ Basic Use : Used as a vapour barrier and damp proof membrane in concrete slabs, floors, insulation boards shuttering , etc... For corrosion protection of water and oil pipelines. Protects from the sun, wind, rain, dust and damage.

8_ Application : Sleeves for corrosion protection of water and oil pipelines. Agricultural film for greenhouses, plastic tunnels & other agro-techniques. Construction film used as a vapor barrier and damp proof membrane in concrete slabs, floors, over insulation boards, shuttering etc.

9_ Durability : It retains its physical properties and remains chemically resistant to aggressive soil organism, plant and other soil fauna as well as domestic sewage and retains its flexibility in temperatures over 80oC.

10_ Installtion : UNDER SLAB: Unroll 4B Contracting plastic film Class C over an aggregate, sand or tamped earth base. Overlap all seams a minimum. All penetrations must be sealed.