



ROOT BARRIER

20, 30, 40, 60, 80, & 100 MIL BLACK HDPE LINER



PRODUCT DESCRIPTION

Because roots can have sharp points, this application requires a very tough material. Our HDPE root barrier film is extremely strong and puncture resistant.

This HDPE film is extremely strong and puncture resistant. Black HDPE comes in 100 mil, 60 mil, 40 mil, and 30 mil and 20 mil. HDPE 30 mil, 40 mil, and 60 mil are the most popular for this demanding application. Customers tell us we have the best prices in the USA on this material. Please contact us for a quote.

APPLICATIONS

- ▶ Root Barrier
- ▶ Deer Fencing

***Recommended for Bamboo & Ficus**

PRODUCT USE

Americover's Root Barrier is a black HDPE film. Root Barrier applications work as a waterproof seal to protect the soil from moisture loss, as well as help redirect tree roots to prevent costly root damage to nearby structures. Because roots can have sharp points, this application requires a very tough material.

SIZE AND PACKAGING

Please allow at least a 10 day lead time for production.

Minimum of 100 feet in length

Standard widths include 24", 30", and 36"

Call for other sizes.

Size Chart

Thickness		Width		Length		Area	
MIL	MM	FT	M	FT	M	FT	M
30	0.75	23	7	1,175	358	27,025	2,511
40	1.0	23	7	900	274	20,700	1,923
60	1.5	23	7	600	183	13,800	1,282
80	2.0	23	7	455	139	10,465	972
100	2.5	23	7	365	111	8,395	780

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SPECIFICATIONS

			HDPE Smooth Liner				
PROPERTIES	TEST METHOD	FREQ	MINIMUM AVERAGE VALUES				
Thickness (minimum avg), mil (mm)	ASTM D5199	Per Roll	30 (0.75)	40 (1.0)	60 (1.5)	80 (2.0)	100 (2.5)
Thickness (minimum), mil (mm)	ASTM D5199	Per Roll	27 (0.68)	36 (0.9)	54 (1.35)	72 (1.8)	90 (2.25)
Density, g/cc, minimum	ASTM D792, Method B	200,000 lb	0.94	0.94	0.94	0.94	0.94
Tensile Properties (both directions)							
Strength @ Yield, lb/in width (N/mm)	Machine Direction Transverse Direction	20,000 lb	66 (11.6)	88 (15.4)	132 (23.1)	176 (30.8)	220 (38.5)
Elongation @ Yield, % (GL=1.3in)			13	13	13	13	13
Strength @ Break, lb/in width (N/mm)			120 (21)	160 (28)	240 (42)	320 (56)	400 (70)
Elongation @ Break, % (GL=2.0in)			700	700	700	700	700
Tear Resistance, lbs (N)	ASTM D1004	45,000 lb	23 (102)	30 (133)	45 (200)	60 (267)	72 (320)
Puncture Resistance, lbs (N)	ASTM D4833	45,000 lb	60 (267)	80 (356)	120 (534)	160 (712)	190 (845)
Carbon Black Content, % (range)	ASTM D4218	20,000 lb	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3
Carbon Black Dispersion (Category)	ASTM D5596	45,000 lb	Only near spherical agglomerates: 10 views in Cat. 1 or 2				
Stress Crack Resistance (SP-NCTL), hrs.	ASTM D5397 Appendix	200,000 lb	500	500	500	500	500
Oxidative Induction Time, minutes	ASTM D3895, 200°C, 1 atm O2	200,000 lb	≥140	≥140	≥140	≥140	≥140

The information provided herein is based upon data believed to be reliable. All testing is performed in accordance with ASTM standards and procedures. All values are typical and nominal and do not represent either minimum or maximum performance of the product. Although the information is accurate to the best of our knowledge and belief, no representation of warranty or guarantee is made as to the suitability or completeness of such information. Likewise, no representation of warranty or guarantee, express or implied, or merchantability, fitness or otherwise, is made as to product application for a particular use.

AG. 010116.04012025