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WOVEN COATED - POLYETHYLENE

Woven Coated materials are high strength, light weight products suitable for many containment needs.

Colorado Lining can fabricate Woven Coated Polyethylene into custom 80,000 SF panels. We can supply you with your desired panels or facilitate a full installation with one of our certified installation crews.

Products & Features:

- Flexible
- Available In Custom Sized Panels
- Cost Effective
- Durable
- Light Weight
- Mil Range: 8 to 30

Uses & Applications:

- Temporary Mudpit Liners
- Temporary Pond Liners
- ADC Covers
- Temporary Rain Covers
- Covers: Machinery, Material, Soil, Manure, Salt, Beets

- ***Project Photo: Farmington, NM***
- ***Mud Pit Liners***
- ***12 Mil Woven Coated***





Woven Coated Product Data Sheet

	12 mil	20 mil	24 mil	X24	30 mil	X30
Coating:	1.75 mil average each side (41.5 g/m ² /side)	3.0 mil average each side (71 g/m ² /side)	3.5 mil average each side (83 g/m ² /side)	3 mil average each side (71 g/m ² /side)	5.5 mil average each side (130 g/m ² /side)	4 mil average each side (95 g/m ² /side)
Color:	Black or colored coatings available	White, black or other colored coatings available	White, black or other colored coatings available	White, black or other colored coatings available	White, black or other colored coatings available	White, black or other colored coatings available
Weight:	5.4 oz/yd ² (198g/m ²) +/- 5 %	9.1 oz/yd ² (308g/m ²) +/- 5 %	11.7 oz/yd ² (396g/m ²) +/- 5 %	10.9 oz/yd ² (369g/m ²) +/- 5 %	15.6 oz/yd ² (528g/m ²) +/- 5 %	13.5 oz/yd ² (458g/m ²) +/- 5 %
Thickness:	Nominal 12 mil (0.30 mm) +/-10%, ASTM D1777	Nominal 20 mil (0.50 mm) +/-10%, ASTM D1777	Nominal 24 mil (0.60 mm) +/-10%, ASTM D1777	Nominal 24 mil (0.60 mm) +/-10%, ASTM D1777	Nominal 30 mil (0.75 mm) +/-10%, ASTM D1777	Nominal 30 mil (0.75 mm) +/-15%, ASTM D1777
Width:	Up to 144 inches (-0, +0.5) as ordered	Up to 150 inches (-0, +0.5) as ordered	Up to 150 inches (-0, +0.5) as ordered	Up to 150 inches (-0, +0.5) as ordered	Up to 144 in (-0, +2.5) as ordered	Up to 144 in (-0, +2.5) as ordered
Length	minimum 500 yds/roll; up to 1000 yds/roll	minimum 250 yds/roll; up to 1000 yds/roll	minimum 250 yds/roll; up to 1000 yds/roll	minimum 250 yds/roll; up to 1000 yds/roll	minimum 250 yds/roll; up to 1000 yds/roll	minimum 250 yds/roll; up to 1000 yds/roll
Grab Tensile:	ASTM D-5034-95 Warp 170 lb, 754 N / Weft 120 lb, 532 N	ASTM D-5034-09 Warp 260 lb, 1154 N / Weft 250 lb, 1110 N	ASTM D-5034-09 Warp 352 lb, 1563 N / Weft 330 lb, 1465 N	ASTM D-5034-09 Warp 335 lb 1487 N / Weft 340 lb 1509 N	ASTM D-5034-95 Warp 400 lb (1776) / Weft 490 lb (2175)	ASTM D-5034-95 Warp 350 lb (1554) / Weft 445 lb (1975)
Strip Tensile:	ASTM D-5035-11 Warp 135 lb/in (1199) / Weft 85 lb/in (755)	ASTM D-5035-11 Warp 180 lb/in (1598) / Weft 180 lb/in (1598)	ASTM D-5035-11 Warp 245 lb/in (2175) / Weft 230 lb/in (2042)	ASTM D-5035-11 Warp 260 lb/in (2308) / Weft 260 lb/in (2308)	ASTM D-5035-11 Warp 260 lb/in (2308) / Weft 330 lb/in (2930)	ASTM D-5035-11 Warp 260 lb/in (2308) / Weft 280 lb/in (2485)
Tongue Tear:	ASTM D-5884-01 Warp 50 lb, 222 N / Weft 50 lb, 222 N	ASTM D-2261-07a Warp 50 lb, 222 N / Weft 55 lb, 244 N	ASTM D-5884-01 Warp 100 lb, 444 N / Weft 90 lb, 400 N	ASTM D-5884-01 Warp 100 lb 444 N / Weft 90 lb 400 N	ASTM D-5884-01 Warp 45 lb (200) / Weft 50 lb (222)	ASTM D-5884-01 Warp 95 lb (421) / Weft 85 lb (377)
Trapezoidal Tear:	ASTM D-4533-04 Warp 70 lb, 310 N / Weft 40 lb, 177	ASTM D-4533-04 Warp 55 lb, 244 N / Weft 50 lb, 222 N	ASTM D-4533-04 Warp 85 lb, 377 N / Weft 80 lb, 355 N	ASTM D-4533-04 Warp 100 lb 444 N / Weft 100 lb 444 N	ASTM D-4533-04 Warp 40 lb (177) / Weft 80 lb (355)	ASTM D-4533-04 Warp 77 lb (340) / Weft 120 lb (530)
Mullen Burst:	ASTM D-3786-01 285 psi / 1963 kPa	ASTM D-3786-01 470 psi / 3238 kPa	ASTM D-3786-01 635 psi / 4375 kPa	ASTM D-3786-01 650 psi / 4478 kPa	ASTM D-3786-01 800 psi 5512 kPa	ASTM D-3786-01 690 psi 4754 kPa
Hydrostatic Resistance:	ASTM D751-00 130 psi / 900 kPa	ASTM D751-00 263 psi / 1812 kPa	ASTM D751-00 425 psi / 2927 kPa	ASTM D751-00 TBD	ASTM D751-00 610 psi 4196 kPa	ASTM D751-00 TBD
Puncture Resistance:	ASTM D4833-00 76 lb / 338 N	ASTM D4833-00 141 lb / 625 N	ASTM D4833-00 182 lb / 811 N	ASTM D4833-00 TBD	ASTM D4833-00 900 N	ASTM D4833-00 TBD
Hydraulic Conductivity (Permeability)		ASTM D4491-99a (2009) <1 x 10 ⁻⁷ cm/s	ASTM D4491-99a (2009) <1.3 x 10 ⁻⁷ cm/s	ASTM D4491-99a (2009) <1.3 x 10 ⁻⁷ cm/s	ASTM D4491-99a (2009) <1.34 x 10 ⁻⁹ cm/s	ASTM D4491-99a (2009) <1.34 x 10 ⁻⁹ cm/s
Carbon Black Content:	ASTM D4218-00 2.79 %		ASTM D4218-96 3.9%	ASTM D4218-96 2.5%		
Volatile Loss:	ASTM D1203-00 0.23 %					
Dimensional Stability:	ASTM D1204-08 Warp -3.60 % / Weft -2.42 %	ASTM D1204-02 Warp -3.2%; Weft -3.5%	ASTM D1204-02 Warp -4.2%; Weft -3.7%	ASTM D1204-02 Warp -1.8%; Weft -1.6%	ASTM D1204-02 Warp -2.8%; Weft -1.5%	ASTM D1204-02 Warp -2.8%; Weft -1.5%
Low Temp. Flex:	ASTM D2136 Warp Pass @ -40° / Weft Pass @ -40°		ASTM D2136-94 Passes -65°C (-85°F)	ASTM D2136-94 Warp pass @ -40°; Weft pass @ -40°	ASTM D2136-94 Warp pass @ -40°; Weft pass @ -40°	ASTM D2136-94 Warp pass @ -40°; Weft pass @ -40°
Seam Strength - Shear :	ASTM-D4851-07(2011) Warp 116 lb/in / 1030 N/5cm * Weft 76 lb/in / 675 N/5cm *	ASTM D4851-07(2011) Warp 144 lb/in / 1278 N/5cm * Weft 130 lb/in / 1154 N/5cm *	ASTM D4851-07(2011) >80% of the strip tensile value in the direction perpendicular to the seam	ASTM D4851-07(2011) Warp 196 lb/in / 1740 N/5cm * Weft 184 lb/in / 1634 N/5cm *	ASTM D4851-07(2011) Warp 208 lb/in / 1847 N/5cm * Weft 264 lb/in / 2344 N/5cm *	ASTM D4851-07(2011) >80% of the strip tensile in the direction perpendicular to the seam.
Seam Strength - Peel:	ASTM D4851-07(2011) 3 lb/in / 27 N/5cm	ASTM D4851-07(2011) 4 lb/in / 35 N/5cm	ASTM D4851-07(2011) 4 lb/in / 35 N/5cm	ASTM D4851-07(2011) 4 lb/in / 35 N/5cm	ASTM D4851-07(2011) 4 lb/in / 35 N/5cm	ASTM D4851-07(2011) 4 lb/in / 35 N/5cm
Accelerated UV Weathering¹:	>90 % strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hrs ASTM G151-00 exposure @ 1.35 W/m ² /nm ASTM G154-04	>90 % strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hrs ASTM G151-00 exposure @ 1.35 W/m ² /nm ASTM G154-04	>90 % strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hrs ASTM G151-00 exposure @ 1.35 W/m ² /nm ASTM G154-04	>90 % strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hrs ASTM G151-00 exposure @ 1.35 W/m ² /nm ASTM G154-04	>90 % strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hrs ASTM G151-00 exposure @ 1.35 W/m ² /nm ASTM G154-04	>90 % strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hrs ASTM G151-00 exposure @ 1.35 W/m ² /nm ASTM G154-04

1 Q.U.V [A-340 Lamps]; 8 hrs UV @ 60°C; 4hrs condensation @ 50°

* Seam shear should be >80% of the strip tensile value in the direction perpendicular to the seam.

Weave: Woven black HDPE scrim

Cores: 4 inch I.D. or 5 inch I.D. available