

# Woven Coated Polyethylene

## WCPE

### FEATURES

- WCPE is flexible and light weight
- Cost effective material that is available in custom sized panels
- Durable material that ranges from 12 to 30 mil thickness

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 square foot panels. We can supply you with your desired panels or certified installation crews.

### APPLICATIONS

- Temporary mud pit liners
- Temporary pond liners
- ADC covers
- Temporary rain covers
- Covers: machinery, material, soil, manure, salt, etc.

FOR MORE INFO CALL 800.524.8672



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VERSION UPDATE 02.21.17

# Product Data



## WCPE Material Information

Thickness	12 mil (0.30 mm)	20 mil (0.30 mm)	24 mil (0.361 mm)	30 mil (0.76 mm)
Coating	Two side LDPE @ 1.5 mil (0.038 mm)	Two side LDPE @ 2.5 mil (0.064 mm)	Two side LDPE @ 3 mil (0.076 mm)	Two side LDPE @ 3 mil (0.076 mm)
Grab Tensile	ASTMD751 MD 210 lbs (95 kg) CD 176 lbs (80 kg)	ASTMD751 MD 330 lbs (150 kg) CD 286 lbs (130 kg)	ASTMD751 MD 352 lbs (160 kg) CD 300 lbs (136 kg)	ASTMD751 MD 375 lbs (170 kg) CD 315 lbs (143 kg)
Strip Tensile			ASTM D751 MD 251 lbs (114 kg) CD 210 lbs (95 kg)	ASTM D751 MD 270 lbs (123 kg) CD 225 lbs (102 kg)
Tongue Tear	ASTM D-5884-01 Warp 50 lb, 222 N Weft 50 lb, 222 N	ASTM D-5884-01 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 45 lb, 200 N Weft 50 lb, 222 N
Trapezoidal Tear	ASTM D-4533 MD 65 lbs (30kg) CD 55 lbs (25kg)	ASTM D-4533 MD 110 lbs (50kg) CD 92 lbs (42kg)	ASTM D-4533 MD 110 lbs (50kg) CD 90 lbs (41kg)	ASTM D-4533 MD 100 lbs (45kg) CD 90 lbs (41kg)
Mullen Burst	ASTM D-751 350 psi / 2424 kPa	ASTM D-751 600 psi / 4138 kPa	ASTM D-751 680 psi / 4690 kPa	ASTM D-751 720 psi / 4966 kPa
Hydrostatic Resistance	ASTM D751-00 130 psi / 900 kPa	ASTM D751-00 352 psi / 2462 kPa	ASTM D751-00 380 psi / 2620 kPa	ASTM D751-00 600 psi / 4138 kPa
Puncture Resistance	ASTM D4833-00 76 lb / 338 n	ASTM D4833-00 171 lb / 78 (kg)	ASTM D4833-00 176 lb / (80 kg)	ASTM D4833-00 225 lb / (102 kgf)
Hydraulic Conductivity (Permeability)		ASTM D4491 0.0 cm/s No Flow	ASTM D4491 0.0 cm/s No Flow	ASTM D4491 0.0 cm/s No Flow
Carbon Black Content	ASTM D4218-00 2.79%		ASTM D4218 3.6%	
Volatile Loss	ASTM D1203-00 0.23%			
Dimensional Stability	ASTM D1204-08 Warp -3.60% Weft -2.42%	ASTM D1204-08 Warp -3.2% Weft -3.5%	ASTM D1204-08 Warp -4.2% Weft -3.7%	ASTM D1204-08 Warp -2.8% Weft -1.5%
Seam Strength Shear	ASTM-D4851-07 Warp 116 lb/in Weft 76 lb/in		ASTM D751 >CD 168 lbs/in	ASTM D751 CD 200 lbs/in
Seam Strength Peel	ASTM D4851 3 lb/in		ASTM D4851 CD 4 lb/in	ASTM D4851 CD 9 lb/in
Accelerated UV Weathering	ASTM G154 exposure @ 1.35 W/m2/nm	ASTM G154 exposure @ 1.35 W/m2/nm	ASTM G154 exposure @ 1.35 W/m2/nm	ASTM G154 exposure @ 1.35 W/m2/nm

## FOR SALES INFORMATION

Corporate Headquarters - Denver: 800.524.8672 / 303.841.2022

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CLI has over 35 years of experience in the geosynthetics industry, and we offer custom Design-Build solutions that are cost effective and reliable. Our services include Geomembrane and Spray Coating Materials, Custom Fabrication, and Certified Installation.