

## Woven Coated Polyethylene (WCPE)



Woven Coated Polyethylene (WCPE) is constructed of woven, oriented tapes of HDPE. The tapes are then coated with a film of LLDPE which makes the liner impermeable to water and also gives the liner enhanced chemical resistance to hydrocarbons and other chemicals.

WCPE has been used as an economical geomembrane material by Contain Enviro for over 15 years. Common uses are drilling sump liners, soil remediation liners, and short term containment liners.

WCPE has UV resistance for short term exposed use, is flexible in extremely low temperatures (-67°F), and has very good chemical resistance.

Contain Enviro Services Ltd. is the leader in the supply and installation of geomembranes for a wide variety of challenging applications. No single geomembrane is suitable for every containment application; contact Contain Enviro Services Ltd. for technical support to assist in recommending the correct geomembrane for your application.

WCPE Typical Material Properties		
Style	ASTM	WCPE
Thickness (Nominal)		20 mil 0.51 mm
Coating Thickness (Nominal)		2.5 mil 0.063 mm
Weight (Nominal)		10 oz/yd <sup>2</sup> 340 g/m <sup>2</sup>
Tensile Strength MD	D5034	350 lbs 1,554 N
Tensile Strength CD	D5034	335 lbs 1,487 N
Elongation	D751	15%
Tear Strength MD	D2261 Tongue Tear	120 lbs 532 N
Tear Strength CD	D2261 Tongue Tear	120 lbs 532 N
Low Temperature Bend	D2136	-67°F -55°C
Burst Strength	D3786	700 psi 4829 kPa
UV Resistance (Strength Retained)	G151-00 2000 Hours	>80% <sup>1</sup>
<b>Note<sup>1</sup>:</b> UV results are for black product only. Colors other than black may have a lower U.V. resistance.		

For More Information, Please Visit Our Website [www.contain.ca](http://www.contain.ca)