

TESTED PROPERTY	TEST METHOD	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)				
			E-PVC20	TE-PVC30	TE-PVC40	TE-PVC50	TE-PVC60
Thickness	ASTM D 5199	mil (mm)	20 ± 1 (0.51 ± 0.03)	30 ± 1.5 (0.76 ± 0.04)	40 ± 2 (1.02 ± 0.05)	50 ± 2.5 (1.27 ± 0.06)	60 ± 3 (1.52 ± 0.08)
Tensile Properties: Strength at Break Elongation Modulus @ 100%	ASTM D 882 Min	lbs/in (kN/m) % lbs/in (kN/m)	48 (8.4) 360 21 (3.7)	73 (12.8) 380 32 (5.6)	97 (17.0) 430 40 (7.0)	116 (20.3) 430 50 (8.8)	137 (24.0) 450 60 (10.5)
Tear Strength	ASTM D 1004 min	lbs (N)	6 (27)	8 (35)	10 (44)	13 (58)	15 (67)
Dimensional Stability	ASTM D 1204 Max Chg	%	4	3	3	3	3
Low Temperature Impact	ASTM D 1790 Pass	°F (°C)	-15 (-26)	-20 (-29)	-20 (-29)	-20 (-29)	-20 (-29)
INDEX PROPERTIES							
Specific Gravity	ASTM D 792 Typical	g/cc	1.2	1.2	1.2	1.2	1.2
Water Extraction % loss (max)	ASTM D 1239 Max Loss	%	0.15	0.15	0.20	0.20	0.20
Average Plasticizer Molecular Weight	ASTM D 2124		400	400	400	400	400
Volatility Loss	ASTM D 1203 Max loss	%	0.9	0.7	0.5	0.5	0.5
Soil Burial: Break Strength Elongation Modulus @ 100%	G 160 max chg	% % %	5 20 20	5 20 20	5 20 20	5 20 20	5 20 20
Hydrostatic Resistance	ASTM D 751 min	psi (kPa)	68 (470)	100 (690)	120 (830)	150 (1030)	180 (1240)
SEASM STRENGTHS							
Shear Strength	ASTM D 882 min	lbs/in (kN/m)	38.4 (6.7)	58.4 (10)	77.6 (14)	96 (17)	116 (20)
Peel Strength	ASTM D 882 min	lbs/in (kN/m)	12.4 (2.2)	15 (2.6)	15 (2.6)	15 (2.6)	15 (2.6)

This data is provided for informational purposes only. Titan Environmental Containment Ltd. makes no warranties as to the suitability or the fitness for a specific use or merchantability of the products referred to, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability from resulting loss or damage. This information is subject to change without notice, please check with Titan Environmental Containment Ltd. for current updates.