



Comparison of PPL / BTL to other common materials

Material	Tongue tear (lbs.) machine direction ASTM D 751	Tongue tear (lbs.) transverse direction ASTM D 751	Grab tensile machine direction ASTM D 751	Grab tensile transverse direction ASTM D 751	Mullen Burst Strength (psi) ASTM D 3786	Low Temperature Cold Crack (°F) ASTM 2136
BTL™-12	50*	50*	215 / 62**	145 / 66**	300	-40
BTL™-24	110*	110*	350 / 28**	330 / 36**	650	-85
PPL™-24	75	70	380 / 17	370 / 18	710	-85
BTL™-30	55*	55*	355 / 30**	420 / 40**	700	-85
BTL™-40	150	155	670 / 71**	650 / 68**	1250	-85
60 mil HDPE	182	164	586 / 186	582 / 188	541	-20
40 mil HDPE	103	106	337 / 163	383 / 197	346	-20
45 mil EPDM	21	10	323 / 685	128 / 302	220	-49
40 mil PVC	22	18	306 / 253	323 / 239	232	> -40
30 mil PVC	11	12	193 / 308	193 / 329	226	> -40

*ASTM D 5844-01

** ASTM 5034

Testing by TRI Environmental, Austin, TX (source data available upon request)