

Strength and sustainability for
broadest array of applications

	ASTM Test Method	Typical Values					
		CT-301	CT-303	CT-304	CT-305	CT-306	CT-308
Gauge		30	42	55	70	90	150
Impact Strength Peak Load (lbs)	D3763-95a	7.5	11.4	14.3	20.0	20.2	29.7
Haze (%)	D1003-95	3.2	2.7	3.0	3.9	4.6	6.5
Clarity (%)	D1746-92	85.5	82.8	82.7	78.4	76.6	71.3
Gloss (%)	D2457-90	86	85	84	84	81	74
Coefficient of Friction (film/film, kinetic)	D1894-95	0.170	0.193	0.148	0.133	0.120	0.135
Moisture Vapor Transmission Rate (gms/100 sq in/24 hrs/atm)	F1249-90	2.2	1.56	1.33	0.95	0.76	0.49
Oxygen Transmission Rate (cc/m ² /24 hrs/atm)	D3985-95	17000	11970	9280	6960	5450	3490
LD/TD							
Tensile Strength (×1000 psi)	D882-95	20.9/21.6	19.1/19.8	17.7/19.2	17.4/19.5	16.1/18.8	13.9/14.9
Elongation at Break (%)	D882-95	88/105	92/93	94/120	120/130	120/110	170/170
Modulus (×1000 psi)	D882-95	69.0/69.6	65.4/64.0	62.3/63.4	53.0/63.8	57.0/65.3	51.0/52.5
Elmendorf Tear (g)	D1922	15.9/11.8	23.2/25.0	34.6/34.1	46.9/42.5	53.0/39.9	129.2/157.3
Shrink Tension (psi)	D2838-95						
@ 200° F		476/664	313/585	355/540	288/573	226/558	225/503
@ 220° F		499/641	420/629	441/617	364/623	301/630	307/553
@ 240° F		548/578	537/637	498/599	430/596	361/651	367/552
Free Shrink (%)	D2732-83						
@ 200° F		11/17	10/16	11/16	10/18	8/17	10/19
@ 220° F		20/30	18/30	20/29	18/30	16/28	19/31
@ 240° F		53/57	53/58	55/59	54/58	50/58	57/61

LD = Longitudinal Direction / TD = Transverse Direction

This information represents our best judgment based on the work done. The company assumes no liability whatsoever in connection with the use of information or findings contained herein. Current data is based on limited samples and is subject to modification pending finalization.