

Strength and sustainability for  
broadest array of applications

	ASTM Test Method	Typical Values						
		CT-301	CT-303	CT-304	CT-305	CT-306	CT-307	CT-308
<b>Gauge</b>		30	42	55	70	90	115	150
<b>Impact Strength Peak Load (lbs)</b>	D3763-95a	7.5	11.4	14.3	20.0	20.2	27.2	29.7
<b>Haze (%)</b>	D1003-95	3.2	2.7	3.0	3.9	4.6	5.4	6.5
<b>Clarity (%)</b>	D1746-92	85.5	82.8	82.7	78.4	76.6	73.2	71.3
<b>Gloss (%)</b>	D2457-90	86	85	84	84	81	77	74
<b>Coefficient of Friction</b> (film/film, kinetic)	D1894-95	0.170	0.193	0.148	0.133	0.120	0.140	0.135
<b>Moisture Vapor Transmission Rate</b> (gms/100 sq in/24 hrs/atm)	F1249-90	2.2	1.56	1.33	0.95	0.76	0.59	0.49
<b>Oxygen Transmission Rate</b> (cc/m <sup>2</sup> /24 hrs/atm)	D3985-95	17000	11970	9280	6960	5450	3858	3490
		LD/TD						
<b>Tensile Strength</b> (×1000 psi)	D882-95	20.9/21.6	19.1/19.8	17.7/19.2	17.4/19.5	16.1/18.8	15.2/15.8	13.9/14.9
<b>Elongation at Break</b> (%)	D882-95	88/105	92/93	94/120	120/130	120/110	175/150	170/170
<b>Modulus</b> (×1000 psi)	D882-95	69.0/69.6	65.4/64.0	62.3/63.4	53.0/63.8	57.0/65.3	58.5/59.8	51.0/52.5
<b>Elmendorf Tear (g)</b>	D1922	15.9/11.8	23.2/25.0	34.6/34.1	46.9/42.5	53.0/39.9	84.6/67.0	129.2/157.3
<b>Shrink Tension (psi)</b> @ 200° F @ 220° F @ 240° F	D2838-95	476/664 499/641 548/578	313/585 420/629 537/637	355/540 441/617 498/599	288/573 364/623 430/596	226/558 301/630 361/651	261/472 328/505 393/539	225/503 307/553 367/552
<b>Free Shrink (%)</b> @ 200° F @ 220° F @ 240° F	D2732-83	11/17 20/30 53/57	10/16 18/30 53/58	11/16 20/29 55/59	10/18 18/30 54/58	8/17 16/28 50/58	11/18 19/30 53/58	10/19 19/31 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.