

# CT-300 Series



## General Purpose Shrink Film

Typical Values								
	ASTM Test Method	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 (film/film, kinetic)</b>	D1894-95	0.170	0.193	0.148	0.133	0.120	0.140	0.135
<b>Moisture Vapor Transmission Rate (gms/100 sq in/24 hrs /atm)</b>	F1249-90	2.2	1.56	1.33	0.95	0.76	0.59	0.49
<b>Oxygen Transmission Rate (cc/m<sup>2</sup>/24hrs/atm)</b>	D3985-95	17000	11970	9280	6960	5450	3858	3490
LD/TD								
<b>Tensile Strength (x1000 psi)</b>	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 (x1000 psi)</b>	D882-95	69.0/69.6	65.4/64.0	62.3/63.4	53.0/63.8	57.0/63.8	57.0/65.3	51.0/52.5
<b>Elmdorf 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>	D2838-95							
@ 200° F		476/664	313/585	355/540	288/573	226/558	261/472	225/503
@ 220° F		499/641	420/629	441/617	364/623	301/630	328/505	307/553
@ 240° F		548/578	537/637	498/599	430/596	362/651	303/539	367/552
<b>Free Shrink (%)</b>	D2732-83							
@ 200° F		11/17	10/16	11/16	10/18	8/17	11/18	10/19
@ 220° F		20/30	18/30	20/29	18/30	16/28	19/30	19/31
@ 240° F		53/57	53/58	55/59	54/58	50/58	53/58	57/61

LD = Longitudinal Direction / TD = Transverse Direction

This information represents our best judgement 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.

Last Modified: 7/2022