



Anti-Stat specs for all Cast Hand and Machine film

- Applicable to all Machine and Hand films with Anti Stat additive (Part no's starting with ZMA, ZHA, CMA, CHA & Any other Anti Stat films)
- Static Dissipative Range is 10^5 - 10^{12} , Insulative Range is $> 10^{12}$



Surface Resistivity as Made:	ASTM D527	3.30×10^{16}
Surface Resistivity 2 Days:	ASTM D527	3.30×10^{16}
Surface Resistivity 10 Days:	ASTM D527	3.43×10^{13}
Surface Resistivity 21 Days:	ASTM D527	3.76×10^{12}
Surface Resistivity 40 Days:	ASTM D527	3.27×10^{12}

All values are representative of typical film performance and are not to be construed as manufacturing and/or sales specifications.

Email: info@wraptite.com, **B2B:** www.wraptite.com
Head Quarters: 6200 Cochran Road, Solon, Ohio 44139
Phone: 440-349-5400

Mfg Website: www.wraptite.com/manufacturing/
Manufacturing: 6075 Cochran Road, Solon, Ohio 44139
Fax: 440-349-5432



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Cast Machine Film Technical Data Sheet

- Quite Unwinding & easy release
- Stretches 200-250%
- High clarity for product identification
- Available in various colors (Dark & Tinted) in certain gauges – Black, Blue, Green, Red, Orange, Yellow, Purple, White (Custom Colors are available up on request)
- Product Categories – CMF, CMF Metrics, ZMF, CMU (UVI), ZMU (UVI), CMV (VCI), ZMV (VCI), ZMA (Anti-Stat), CMF-Bio films, Various Printed films
- **UVI/VCI/Anti-Stat/Bio-de films – Additive may affect the performance to some extent**



Thickness	ASTM D-4649	Gauge	60 ga	65 ga	70 ga	75 ga	80 ga	90 ga	100 ga	110 ga	115 ga	120 ga	135 ga	150 ga
Tensile Ultimate MD	ASTM D-882	PSI	6400	6400	6400	6400	6800	6800	6800	6800	6800	6800	6800	6800
Tensile Ultimate TD	ASTM D-882	PSI	4100	4100	4100	4100	4300	4300	4300	4300	4300	4300	4300	4300
Tensile Yield MD	ASTM D-882	PSI	1350	1350	1350	1350	1450	1450	1450	1450	1450	1450	1450	1450
Tensile Yield TD	ASTM D-882	PSI	1250	1250	1250	1250	1300	1300	1300	1300	1300	1300	1300	1300
Elongation MD	ASTM D-882	%	480	480	510	510	510	540	540	540	585	585	620	620
Elongation TD	ASTM D-882	%	710	710	720	720	720	730	730	730	740	740	750	750
Elmendorf Tear MD	ASTM D-1922	g/mil	370	370	370	370	370	370	370	370	370	370	370	370
Elmendorf Tear TD	ASTM D-1922	g/mil	500	500	500	500	500	500	500	500	500	500	500	500
Puncture Force	WRAP TITE	LBS	6.6	7.3	8.0	8.7	9.4	9.7	10.1	10.4	10.6	11	11.6	12.3
Cling@200%	ASTM D-5458	g/in	150	150	150	150	150	150	150	150	150	150	150	150

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Cast Hand Film Technical Data Sheet



- Quiet Cast Film
- Stiff & Strong
- Good puncture resistance
- Lower cost Metric options available
- Available in various colors (Dark & Tinted) in certain gauges – Black, Blue, Green, Red, Orange, Yellow, Purple, White (Custom Colors are available up on request)
- Product Categories – CHF, CHF Metrics, ZHF, CHU(UVI), ZHU(UVI), CHV(VCI), ZHV(VCI), ZHA (Anti-Stat) CHF-Bio films, Various Printed Hand films
- **UVI/VCI/Anti-Stat/Bio-de films – Additive may affect the performance to some extent**

Thickness	ASTM D-4649	Gauge	60 ga	65 ga	70 ga	75 ga	80 ga	90 ga	100 ga	115 ga	120 ga	135 ga	150 ga
Tensile Ultimate MD	ASTM D-882	PSI	6400	6400	6450	6450	6500	6500	6600	6600	6600	6600	6600
Tensile Ultimate TD	ASTM D-882	PSI	4000	4000	4050	4050	4100	4100	4150	4150	4150	4150	4150
Tensile Yield MD	ASTM D-882	PSI	1250	1250	1275	1275	1300	1300	1350	1350	1350	1350	1350
Tensile Yield TD	ASTM D-882	PSI	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
Elongation MD	ASTM D-882	%	390	390	360	360	330	330	310	310	310	310	310
Elongation TD	ASTM D-882	%	610	610	570	570	540	540	520	520	520	520	520
Elmendorf Tear MD	ASTM D-1922	g/mil	350	350	340	340	330	330	310	310	310	310	310
Elmendorf Tear TD	ASTM D-1922	g/mil	600	600	570	570	540	540	520	520	520	520	520
Cling@100%	ASTM D-5458	g/in	180	180	180	180	180	180	180	180	180	180	180

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