

Stretch Film

SF1 (Machine Grade – H1)

INTERTAPE POLYMER GROUP®
TECHNICAL DATA SHEET

Test	Values (listed by film thickness)									
	Reference Methods	50 gauge 12.7 micron 0.50 mil	55 gauge 14.0 micron 0.55 mil	60 gauge 15.2 micron 0.60 mil	65 gauge 16.5 micron 0.65 mil	67 gauge 17.0 micron 0.67 mil	70 gauge 17.8 micron 0.70 mil	75 gauge 19.0 micron .075 mil	80 gauge 20.3 micron 0.80 mil	85 gauge 21.6 micron 0.85 mil
Ultimate Tensile MD (psi)	ASTM D882	6970	6931	6892	6853	6838	6815	6776	6737	6698
Ultimate Tensile TD (psi)	ASTM D882	4604	4568	4533	4498	4483	4462	4427	4392	4356
Elongation MD (%)	ASTM D882	605	614	623	631	635	640	649	657	666
Elongation TD (%)	ASTM D882	842	854	866	877	882	889	900	912	923
Tear Resistance MD (grams and g/mil)	ASTM D1922	276 grams	280 grams	285 grams	289 grams	291 grams	294 grams	299 grams	303 grams	308 grams
		552 g/mil	509 g/mil	475 g/mil	445 g/mil	434 g/mil	420 g/mil	399 g/mil	379 g/mil	362 g/mil
Tear Resistance TD (grams and g/mil)	ASTM D1922	532 grams	546 grams	560 grams	575 grams	580 grams	589 grams	603 grams	618 grams	632 grams
		1064 g/mil	993 g/mil	933 g/mil	885 g/mil	866 g/mil	841 g/mil	804 g/mil	772.5 g/mil	744 g/mil
Dart Drop (grams and g/mil)	ASTM D1709	73 grams	76 grams	79 grams	81 grams	83 grams	84 grams	87 grams	90 grams	93 grams
		146 g/mil	138 g/mil	132 g/mil	125 g/mil	124 g/mil	120 g/mil	116 g/mil	112.5 g/mil	109 g/mil
Pre-stretch (% at break)	IPG/Highlight	336	368	371	374	375	376	379	382	384
Cling (in to out, grams at 200% pre-stretch)	IPG method	202 grams	202 grams	202 grams	202 grams	202 grams	203 grams	203 grams	203 grams	203 grams

While we believe them to be reliable, the statements and information herein are only for general guidance and are not warrants or guarantees for accuracy and completeness. The user must, by test or otherwise, determine suitability for this purpose. There is no warranty of fitness for a particular purpose. Our standard term and conditions of sale apply exclusively to all orders, and all liability for damages of any kind, including consequential, exceeding purchase price is excluded. No one is authorized by us to make oral warranties. We reserve the right to make changes without notice or obligation in our products and publications.



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EFFECTIVE: 4/13/20



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Test	Values (listed by film thickness)							
	Reference Methods	90 gauge 22.9 micron 0.90 mil	95 gauge 24.1 micron 0.95 mil	100 gauge 25.4 micron 1.00 mil	105 gauge 26.7 micron 1.05 mil	110 gauge 27.9 micron 1.10 mil	115 gauge 29.2 micron 1.15 mil	120 gauge 30.5 micron 1.20 mil
Ultimate Tensile MD (psi)	ASTM D882	6659	6621	6582	6543	6504	6466	6427
Ultimate Tensile TD (psi)	ASTM D882	4321	4268	4250	4215	4180	4144	4109
Elongation MD (%)	ASTM D882	675	684	692	701	710	718	727
Elongation TD (%)	ASTM D882	935	946	958	696	981	992	1004
Tear Resistance MD (grams and g/mil)	ASTM D1922	313 grams	317 grams	322 grams	326 grams	331 grams	336 grams	340 grams
		348 g/mil	334 g/mil	322 g/mil	310 g/mil	301 g/mil	292 g/mil	283.3 g/mil
Tear Resistance TD (grams and g/mil)	ASTM D1922	646 grams	660 grams	675 grams	689 grams	703 grams	718 grams	732 grams
		718 g/mil	695 g/mil	675 g/mil	656 g/mil	639 g/mil	624 g/mil	610 g/mil
Dart Drop (grams and g/mil)	ASTM D1709	96 grams	99 grams	102 grams	104 grams	107 grams	110 grams	113 grams
		107 g/mil	104 g/mil	102 g/mil	99 g/mil	97.3 g/mil	95.7 g/mil	94.17 g/mil
Pre-stretch (% at break)	IPG/Highlight	387	390	392	395	397	400	403
Cling (in to out, grams at 200% pre-stretch)	IPG method	203 grams	204 grams	204 grams	204 grams	204 grams	204 grams	204 grams

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