

# Stretch Film

StretchFlex Single Sided Cling (HO)

## 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	57 gauge 14.5 micron 0.57 ml	60 gauge 15.2 micron 0.60 mil	63 gauge 16.0 micron 0.63 mil	65 gauge 16.5 micron 0.65 mil	70 gauge 17.8 micron 0.70 mil	75 gauge 19.0 micron 0.75 mil	80 gauge 20.3 micron 0.80 mil	85 gauge 21.6 micron 0.85 mil
<b>Ultimate Tensile MD</b> (psi)	ASTM D882	6051	6015	6001	5980	5958	5944	5908	5872	5837	5801
<b>Ultimate Tensile TD</b> (psi)	ASTM D882	4684	4654	4642	4624	4606	4595	4565	4535	4505	4475
<b>Elongation MD</b> (%)	ASTM D882	514	533	541	552	564	571	590	609	628	647
<b>Elongation TD</b> (%)	ASTM D882	821	828	830	835	839	841	848	855	862	869
<b>Tear Resistance MD</b> (grams and g/mil)	ASTM D1922	286 grams	299 grams	305 grams	313 grams	321 grams	326 grams	340 grams	353 grams	366 grams	380 grams
		572 g/mil	544 g/mil	535 g/mil	522 g/mil	510 g/mil	502 g/mil	486 g/mil	470.7 g/mil	458 g/mil	447 g/mil
<b>Tear Resistance TD</b> (grams and g/mil)	ASTM D1922	525 grams	545 grams	554 grams	566 grams	578 grams	587 grams	607 grams	628 grams	649 grams	670 grams
		1050 g/mil	991 g/mil	972 g/mil	943 g/mil	917 g/mil	903 g/mil	867 g/mil	837.3 g/mil	811 g/mil	788 g/mil
<b>Dart Drop</b> (grams and g/mil)	ASTM D1709	73 grams	74 grams	74 grams	74 grams	75 grams	75 grams	75 grams	76 grams	77 grams	77 grams
		146 g/mil	135 g/mil	130 g/mil	123 g/mil	119 g/mil	115 g/mil	107 g/mil	101.3 g/mil	96.3 g/mil	90.6 g/mil
<b>Pre-stretch</b> (% at break)	IPG/Highlight	366	368	370	371	373	374	376	379	382	384
<b>Cling</b> (in to out, grams at 200% pre-stretch)	IPG method	202 grams	202 grams	202 grams	202 grams	202 grams	202 grams	203 grams	203 grams	203 grams	203 grams

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100 Paramount Drive, Suite 300 | Sarasota, FL 34232 | USA  
Customer Service: 888.898.7834  
Itape.com | info@itape.com

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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	125 gauge 31.8 micron 1.25 mil
<b>Ultimate Tensile MD</b> (psi)	ASTM D882	5765	5730	5694	5685	5622	5587	5551	5515
<b>Ultimate Tensile TD</b> (psi)	ASTM D882	4446	4416	4386	4356	4327	4297	4267	4237
<b>Elongation MD</b> (%)	ASTM D882	666	685	704	723	742	760	779	798
<b>Elongation TD</b> (%)	ASTM D882	876	883	890	897	903	910	917	924
<b>Tear Resistance MD</b> (grams and g/mil)	ASTM D1922	393 grams	407 grams	420 grams	434 grams	447 grams	460 grams	474 grams	487 grams
		437 g/mil	428 g/mil	420 g/mil	413 g/mil	406 g/mil	400 g/mil	395 g/mil	390 g/mil
<b>Tear Resistance TD</b> (grams and g/mil)	ASTM D1922	690 grams	711 grams	732 grams	753 grams	773 grams	794 grams	815 grams	836 grams
		767 g/mil	748 g/mil	732 g/mil	717 g/mil	703 g/mil	690 g/mil	679 g/mil	669 g/mil
<b>Dart Drop</b> (grams and g/mil)	ASTM D1709	78 grams	78 grams	79 grams	80 grams	80 grams	81 grams	81 grams	82 grams
		86.7 g/mil	82.1 g/mil	79 g/mil	76.2 g/mil	72.7 g/mil	70.4 g/mil	67.5 g/mil	65.6 g/mil
<b>Pre-stretch</b> (% at break)	IPG/Highlight	387	390	392	395	397	400	403	405
<b>Cling</b> (in to out, grams at 200% pre-stretch)	IPG method	203 grams	204 grams	204 grams	204 grams	204 grams	204 grams	204 grams	205 grams

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