

# Stretch Film

Genesys® (High Performance Machine Grade)

## INTERTAPE POLYMER GROUP® TECHNICAL DATA SHEET

Test	Values (listed by film thickness)									
	Reference Methods	51 gauge 13.0 micron 0.51 mil	55 gauge 14.0 micron 0.55 mil	57 gauge 14.5 micron 0.57 mil	60 gauge 15.2 micron 0.60 mil	61 gauge 15.5 micron 0.61 mil	63 gauge 16.0 micron 0.63 mil	65 gauge 16.5 micron 0.65 mil	69 gauge 17.5 micron 0.69 mil	70 gauge 17.8 micron 0.70 mil
<b>Ultimate Tensile MD</b> (psi)	ASTM D882	7422	7377	7355	7322	7311	7289	7266	7222	7211
<b>Ultimate Tensile TD</b> (psi)	ASTM D882	5467	5532	5564	5612	5629	5661	5693	5757	5774
<b>Elongation MD</b> (%)	ASTM D882	615	629	636	646	650	657	664	678	682
<b>Elongation TD</b> (%)	ASTM D882	737	746	751	758	760	764	769	778	780
<b>Tear Resistance MD</b> (grams and g/mil)	ASTM D1922	307 grams	319 grams	326 grams	335 grams	338 grams	344 grams	350 grams	363 grams	366 grams
		602 g/mil	580 g/mil	472 g/mil	558 g/mil	554 g/mil	546 g/mil	538 g/mil	526 g/mil	523 g/mil
<b>Tear Resistance TD</b> (grams and g/mil)	ASTM D1922	461 grams	482 grams	493 grams	509 grams	514 grams	525 grams	535 grams	557 grams	562 grams
		904 g/mil	876 g/mil	865 g/mil	848 g/mil	843 g/mil	833 g/mil	823 g/mil	807 g/mil	803 g/mil
<b>Dart Drop</b> (grams and g/mil)	ASTM D1709	1000 grams	1035 grams	1053 grams	1080 grams	1089 grams	1107 grams	1124 grams	1160 grams	1169 grams
		1961 g/mil	1882 g/mil	1847 g/mil	1800 g/mil	1785 g/mil	1757 g/mil	1729 g/mil	1681 g/mil	1670 g/mil
<b>Pre-stretch</b> (% at break)	IPG/ Highlight	399	404	406	410	412	414	417	422	423
<b>Cling</b> (in to out, grams at 200% pre-stretch)	IPG method	176 grams	181 grams	183 grams	187 grams	188 grams	191 grams	193 grams	198 grams	200 grams

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EFFECTIVE: 5/18/23



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Test	Values (listed by film thickness)								
	Reference Methods	75 gauge 19.0 micron 0.75 mil	80 gauge 20.3 micron 0.80 mil	85 gauge 21.6 micron 0.85 mil	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 26.6 micron 1.05 mil	110 gauge 27.9 micron 1.10 mil
<b>Ultimate Tensile MD</b> (psi)	ASTM D882	7156	7100	7045	6989	6934	6879	6823	6768
<b>Ultimate Tensile TD</b> (psi)	ASTM D882	5854	5935	6015	6096	6176	6357	6338	6418
<b>Elongation MD</b> (%)	ASTM D882	699	717	734	752	770	787	805	822
<b>Elongation TD</b> (%)	ASTM D882	791	802	814	825	836	847	859	870
<b>Tear Resistance MD</b> (grams and g/mil)	ASTM D1922	381 grams	397 grams	413 grams	428 grams	444 grams	459 grams	475 grams	490 grams
		508 g/mil	496 g/mil	486 g/mil	476 g/mil	467 g/mil	459 g/mil	452 g/mil	445 g/mil
<b>Tear Resistance TD</b> (grams and g/mil)	ASTM D1922	588 grams	615 grams	641 grams	668 grams	694 grams	721 grams	747 grams	774 grams
		784 g/mil	769 g/mil	754 g/mil	742 g/mil	731 g/mil	721 g/mil	711 g/mil	704 g/mil
<b>Dart Drop</b> (grams and g/mil)	ASTM D1709	1213 grams	1258 grams	1302 grams	1346 grams	1391 grams	1435 grams	1480 grams	1524 grams
		1617 g/mil	1573 g/mil	1532 g/mil	1496 g/mil	1464 g/mil	1435 g/mil	1410 g/mil	1385 g/mil
<b>Pre-stretch</b> (% at break)	IPG/Highlight	430	437	443	450	456	463	469	476
<b>Cling</b> (in to out, grams at 200% pre-stretch)	IPG method	206 grams	212 grams	219 grams	225 grams	231 grams	238 grams	244 grams	251 grams

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