

Stretch Film

SFIII (Machine Grade)

INTERTAPE POLYMER GROUP® TECHNICAL DATA SHEET

Test	Values (listed by film thickness)								
	Reference Methods	60 gauge 15.2 micron 0.60 mil	65 gauge 16.5 micron 0.65 mil	70 gauge 17.8 micron 0.70 mil	80 gauge 20.3 micron 0.80 mil	90 gauge 22.9 micron 0.90 mil	100 gauge 25.4 micron 1.00 mil	110 gauge 27.9 micron 1.10 mil	120 gauge 30.5 micron 1.20 mil
Ultimate Tensile MD (psi)	ASTM D882	4957	5508	6120	6800	6800	6800	6800	7000
Ultimate Tensile TD (psi)	ASTM D882	4082	4536	5040	5600	5600	5600	5600	6800
Elongation MD (%)	ASTM D882	488	543	603	670	670	670	670	700
Elongation TD (%)	ASTM D882	601	668	743	825	825	825	825	925
Tear Resistance MD (grams and g/mil)	ASTM D1922	131 grams	142 grams	152 grams	175 grams	195 grams	215 grams	235 grams	250 grams
		218.23 g/mil	217.5 g/mil	217.5 g/mil	218.75 g/mil	216.67 g/mil	215.0 g/mil	213.64 g/mil	208.33 g/mil
Tear Resistance TD (grams and g/mil)	ASTM D1922	462 grams	538 grams	538 grams	618 grams	675 grams	770 grams	800 grams	850 grams
		770.65 g/mil	768.09 g/mil	768.09 g/mil	772.5 g/mil	750 g/mil	770 g/mil	727.27 g/mil	708.33 g/mil
Dart Drop (grams and g/mil)	ASTM D1709	135 grams	157 grams	157 grams	180 grams	200 grams	225 grams	245 grams	270 grams
		224.46 g/mil	223.71 g/mil	223.71 g/mil	225 g/mil	222.22 g/mil	225 g/mil	222.73 g/mil	225 g/mil
Pre-stretch (% at break)	IPG/Highlight	255	275	275	325	335	350	375	400
Cling (in to out, grams at 200% pre-stretch)	IPG method	300 grams	325 grams	325 grams	350 grams	350 grams	370 grams	375 grams	375 grams

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