

# Technical Data Sheet

## Stretch Film-Machine Grade

### Values listed by film thickness

	Reference Methods	50 gauge 12.7 micron 0.50 mil	57 gauge 14.5 micron 0.57 mil	60 gauge 15.2 micron 0.60 mil	63 gauge 16.0 micron 0.63 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
<b>Ultimate Tensile MD (psi)</b>	ASTM D882	6000	6500	6500	7020	7000	6500	7000	6730	6600
<b>Ultimate Tensile TD (psi)</b>	ASTM D882	3250	3500	3750	4716	4000	4000	4250	4600	4500
<b>Elongation MD (%)</b>	ASTM D882	375	405	440	532	515	600	625	718	700
<b>Elongation TD (%)</b>	ASTM D882	690	710	730	866	765	860	850	892	858
<b>Tear Resistance MD</b>	ASTM D1922	grams 230	270 grams	285 grams	309 grams	300 grams	300 grams	325 grams	350 grams	325 grams
		460 g/mil	474 g/mil	475 g/mil	490 g/mil	429 g/mil	375 g/mil	361 g/mil	350 g/mil	295 g/mil
<b>Tear Resistance TD</b>	ASTM D1922	435 grams	480 grams	490 grams	553 grams	515 grams	grams 550	550 grams	620 grams	570 grams
		870 g/mil	842 g/mil	817 g/mil	878 g/mil	736 g/mil	g/mil 688	611 g/mil	620 g/mil	518 g/mil
<b>Drop Dart</b>	ASTM D1709	165 grams	180 grams	190 grams	197 grams	200 grams	grams 200	200 grams	224 grams	200 grams
		330 g/mil	316 g/mil	317 g/mil	313 g/mil	286 g/mil	250 g/mil	222 g/mil	224 g/mil	182 g/mil
<b>Pre-stretch (% at break)</b>	IPG/Highlight	200	235	240	243	250	250	275	325	275