



Technical Data Sheet

Stretch Film – Hand Wrap

| Test | Values (listed by film thickness) | | | | | | |
|--|-----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|
| | Reference Methods | 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 |
| Ultimate Tensile MD (psi) | ASTM D882 | 6150 | 6200 | 6200 | 6300 | 6380 | 6450 |
| Ultimate Tensile TD (psi) | ASTM D882 | 4650 | 4000 | 4800 | 4900 | 4910 | 5000 |
| Elongation MD (%) | ASTM D882 | 480 | 500 | 500 | 600 | 715 | 625 |
| Elongation TD (%) | ASTM D882 | 640 | 650 | 670 | 735 | 810 | 750 |
| Tear Resistance MD (grams and g/mil) | ASTM D1922 | 40 grams | 42 grams | 90 grams | 92 grams | 92 grams | 97 grams |
| | | 61.5 g/mil | 60 g/mil | 113 g/mil | 102 g/mil | 92 g/mil | 88.2 g/mil |
| Tear Resistance TD (grams and g/mil) | ASTM D1922 | 474 grams | 530 grams | 350 grams | 320 grams | 337 grams | 350 grams |
| | | 729 g/mil | 757 g/mil | 438 g/mil | 356 g/mil | 337 g/mil | 318 g/mil |
| Dart Drop (grams and g/mil) | ASTM D1709 | 50 grams | 58 grams | 61 grams | 65 grams | 73 grams | 75 grams |
| | | 76.9 g/mil | 82.9 g/mil | 76.3 g/mil | 72.2 g/mil | 73 g/mil | 68.2 g/mil |
| Pre-stretch (% at break) | IPG/Highlight | 220 | 265 | 275 | 285 | 300 | 325 |

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