

One side heat sealable at very low sealing temperature, other side treated and heat sealable, coextruded BOPP film giving ultra high performance on high speed HFFS machines.

### Properties

- High heat seal strength
- Very broad seal range
- High gloss
- Constant and consistent slip properties

### Applications

Designed for single web overwrap for very high speed horizontal machines.

| PROPERTIES               | TEST CONDITIONS              |      | UNITS                 | TYPICAL VALUES |      |       |      |
|--------------------------|------------------------------|------|-----------------------|----------------|------|-------|------|
| THICKNESS                | .....                        |      | μ                     | 18             | 20   | 25    | 30   |
|                          |                              |      | Gauge                 | 72             | 80   | 100   | 120  |
| THICKNESS TOLERANCE      | .....                        |      | %                     | 5              |      |       |      |
| UNIT WEIGHT              | ASTM D 2673                  |      | g / m <sup>2</sup>    | 16.3           | 18.1 | 22.6  | 27.2 |
| YIELD                    | ASTM D 2673                  |      | m <sup>2</sup> / kg   | 61.3           | 55.1 | 44.2  | 36.7 |
| HAZE                     | ASTM D 1003                  |      | %                     | < 1.8          |      | < 2.2 |      |
| GLOSS                    | ASTM D 2457                  |      | %                     | > 85           |      |       |      |
| OPTICAL DENSITY          | MACBETH                      |      | .....                 | .....          |      |       |      |
| COEFFICIENT OF FRICTION* | ASTM D 1894                  | B/B* | .....                 | < 0.30         |      |       |      |
|                          |                              | B/M* | .....                 | < 0.25         |      |       |      |
| TENSILE STRENGTH         | ASTM D 882                   | MD   | N/mm <sup>2</sup>     | 120 ± 20       |      |       |      |
|                          |                              | TD   |                       | 270 ± 50       |      |       |      |
| ELONGATION AT BREAK      | ASTM D 882                   | MD   | %                     | 190 ± 40       |      |       |      |
|                          |                              | TD   |                       | 45 ± 10        |      |       |      |
| HEAT SEAL TEMPERATURE    | 3 Bar / 0.5 Sec              |      | °C                    | 85 - 140       |      |       |      |
| SEAL STRENGTH            | 130°C / 3 Bar / 0.5 Sec      |      | N/15mm                | > 2.5          |      | > 3.0 |      |
| WVTR                     | ASTM F 1249<br>38°C / 90% RH |      | g/m <sup>2</sup> /day | 4.0            | 3.8  | 3.0   | 2.5  |
| TREATMENT LEVEL          | ASTM D 2578                  |      | dyne/cm               | ≥ 38           |      |       |      |
| HEAT SHRINKAGE           | 130°C / 7 mIn                | MD   | %                     | ≤ 5.0          |      |       |      |
|                          |                              | TD   |                       | ≤ 3.0          |      |       |      |

\*B/B : Nontreated side to nontreated side

\*All COF values are dynamic results

\*B/M : Nontreated side to metal

The above information is the result of laboratory test which are applied on samples from standart production. Since the varying conditions under which our products used are beyond our control, all of the above results are without guarantee and warranty.

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