

# CPP295-P (Developmental Grade)



One side low temperature heat sealable with high seal strength, other side treated, dart resistant non oriented polypropylene film.

## Properties

- Excellent mechanical and optical properties
- High toughness and softness
- Excellent seal integrity & seal strength
- Very Low SIT

## Applications

Designed especially for lamination to other flexible films, where needs high heat seal strength and hermetic seal application as an alternative to PE.

Also designed for winter conditions, and an improved dart drop is required.

| PROPERTIES               | TEST CONDITIONS              | UNITS                    | TYPICAL VALUES    |           |      |      |
|--------------------------|------------------------------|--------------------------|-------------------|-----------|------|------|
| THICKNESS                | .....                        | μ                        | 30                | 40        | 50   | 60   |
|                          |                              | Gauge                    | 120               | 160       | 200  | 240  |
| THICKNESS TOLERANCE      | .....                        | %                        | 5                 |           |      |      |
| UNIT WEIGHT              | ASTM D 2673                  | g / m <sup>2</sup>       | 27.2              | 36.2      | 45.3 | 54.4 |
| YIELD                    | ASTM D 2673                  | m <sup>2</sup> / kg      | 36.8              | 27.6      | 22.1 | 18.4 |
| HAZE                     | ASTM D 1003                  | %                        | < 5.0             |           |      |      |
| GLOSS                    | ASTM D 2457                  | %                        | 85 ± 5            |           |      |      |
| OPTICAL DENSITY          | MACBETH                      | .....                    |                   |           |      |      |
| COEFFICIENT OF FRICTION* | ASTM D 1894                  | B/B*                     | .....             | < 0.45    |      |      |
|                          |                              | B/M*                     | .....             | < 0.30    |      |      |
| TENSILE STRENGTH         | ASTM D 882                   | MD                       | N/mm <sup>2</sup> | 45 ± 20   |      |      |
|                          |                              | TD                       |                   | 25 ± 5    |      |      |
| ELONGATION AT BREAK      | ASTM D 882                   | MD                       | %                 | 500 ± 100 |      |      |
|                          |                              | TD                       |                   | 500 ± 100 |      |      |
| HEAT SEAL TEMPERATURE    | 3 Bar / 0.5 Sec              | °C                       | 95 - 145          |           |      |      |
| SEAL STRENGTH            | 100°C / 3 Bar / 0.5 Sec      | N/15mm                   | > 15              |           |      |      |
| WVTR                     | ASTM F 1249<br>38°C / 90% RH | g / m <sup>2</sup> / day | <7.0              |           |      |      |
| TREATMENT LEVEL          | ASTM D 2578                  | dyne / cm                | > 36              |           |      |      |
| HEAT SHRINKAGE           | 130°C / 7 min                | MD                       | %                 | 0 ± 2.5   |      |      |
|                          |                              | TD                       |                   | 0 ± 2.5   |      |      |

\*B : Back side

\*All COF values are dynamic results

\*M : 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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