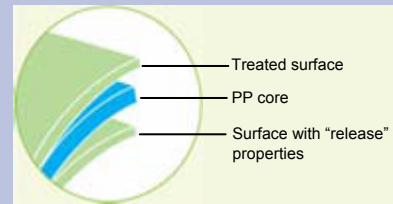


# TE\_CSR



Bioriented polypropylene film, transparent, non heatsealable, internal side with release for “cold seal” and treatment on external side for printing and / or lamination



## Main Characteristics

- Excellent release properties
- Film with great transparency and gloss
- Good COF for great performance on automatic packing machines
- Surface treatment on external side for ink and / or adhesive anchorage
- Non heatsealable

## Applications

- Exterior release on laminated structures with “cold seal” applications

| Properties                                   | Procedure                   | Unit                       | TE_CSR         |
|--|-----------------------------|----------------------------|----------------|
| <b>Main properties</b>                       |                             |                            | <b>TE19CSR</b> |
| THICKNESS                                    | DIN 53370                   | µm                         | 19             |
| UNIT WEIGHT                                  |                             | g/m <sup>2</sup>           | 17,3           |
| YIELD  |                             | m <sup>2</sup> /kg         | 57,8           |
| SURFACE TENSION                              | ASTM D 2578                 | Dynes/cm                   | ≥ 38           |
| HAZE   | ASTM D 1003                 | %                          | 1,2            |
| GLOSS  | ASTM D 2457                 | u.b.                       | 90             |
| COEFFICIENT OF FRICTION<br>Film/Film - NT/NT | ASTM D 1894                 | -                          | 0,35           |
| <b>Descriptive properties</b>                |                             |                            |                |
| TENSILE STRENGTH AT BREAK                    | ASTM D 882                  | N/mm <sup>2</sup> MD<br>TD | 150<br>250     |
| ALONGATION AT BREAK                          | ASTM D 882                  | % MD<br>TD                 | 160<br>40      |
| RESIDUAL SHRINKAGE                           | 120°C / 5min                | % MD<br>TD                 | 4<br>2         |
| WATER VAPOUR TRANSMISSION<br>RATE            | ASTM F 1249<br>38°C / 90%UR | g/m <sup>2</sup> /24h      | 6,7            |

[www.associatedpackagingtechnologies.com](http://www.associatedpackagingtechnologies.com)

## Notes

1 – Abbreviations used: MD – machine directions; TD – transversal directions;

2 – The values described above should be considered as a reference and may not be taken as product specification values;

3 – The films mentioned above have their treatment at external side. Films with treatment at internal side ( I ) may be supplied by previously consulting to Commercial Area;

The above values are average data and should not be taken as final specification, and there is no guarantee for accuracy. The information above is not intended as a representation or warranty of performance properties with respect to these products.