

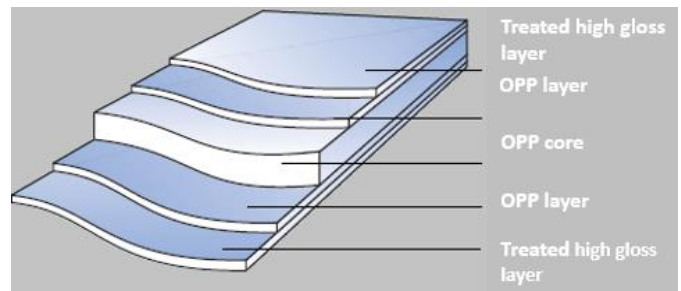
# TRANSPROP® SMFCTC-F

## DESCRIPTION:

TRANSPROP® SMFCTC-F is a transparent, high gloss, coextruded OPP film for use in mono-web cut & stack wrap-around labels for beverages. TRANSPROP® SMFCTC-F has many advantages like: “no label look,” improved web flatness vs. 3-layer films, higher gloss vs. 3-layer films, and enhanced transparency vs. 3-layer films.

## CHARACTERISTICS:

- High surface energy layer
- Excellent die cutting
- Printable by all sheet and roll-fed processes
- Good de-stacking properties
- Label expands and contracts with PET bottles (burst resistant)
- Added stiffness, gloss and transparency of 5-layer film



## TECHNICAL DATA:

| PROPERTY            | UNIT OF MEASURE     | PROPERTY VALUE      |        |
|---------------------|---------------------|---------------------|--------|
| Thickness           | µm                  | 57                  |        |
|                     | Gauge               | 224                 |        |
| Basis Weight        | g/m <sup>2</sup>    | 51.9                |        |
|                     | lbs/ream            | 31.9                |        |
| Yield               | m <sup>2</sup> /kg  | 19.3                |        |
|                     | in <sup>2</sup> /lb | 13,600              |        |
| Tensile Strength    | MD                  | N/mm <sup>2</sup>   | 120    |
| Tensile Strength    |                     |                     |        |
| Tensile Strength    | TD                  | N/mm <sup>2</sup>   | 210    |
| Tensile Strength    |                     |                     |        |
| Tensile Strength    | MD                  | lbs/in <sup>2</sup> | 17,400 |
| Tensile Strength    |                     |                     |        |
| Tensile Strength    | TD                  | lbs/in <sup>2</sup> | 30,450 |
| Tensile Strength    |                     |                     |        |
| Elongation at Break | MD                  | %                   | 180    |
| Elongation at Break |                     |                     |        |
| Elongation at Break | TD                  | %                   | 30     |
| Elongation at Break |                     |                     |        |
| CoF                 | -                   | 0.3                 |        |
| Surface Tension     | Back                | mN/m (dyne)         | 36-39  |
|                     | Front               | mNm (dyne)          |        |

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| PROPERTY             | UNIT OF MEASURE | PROPERTY VALUE | 1X standard | 3X     | 6X     | 9X     |
|----------------------|-----------------|----------------|-------------|--------|--------|--------|
| Gloss                | [20°]           | 100            | -           | -      | -      | -      |
| Haze                 | -               | 2.5            | -           | -      | -      | -      |
| Product Availability |                 |                | -           | -      | -      | -      |
| Core                 | (in)            | -              | 3           | 6      | 6      | 6      |
|                      | (mm)            |                | 76          | 152    | 152    | 152    |
| Nominal OD           | (in)            | -              | 13.1        | 22.9   | 31.7   | 38.5   |
|                      | (mm)            |                | 334         | 582    | 805    | 978    |
| Roll Lengths         | (ft)            | -              | 4,429       | 13,287 | 26,575 | 39,862 |
|                      | (m)             |                | 1,350       | 4,050  | 8,100  | 12,150 |

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