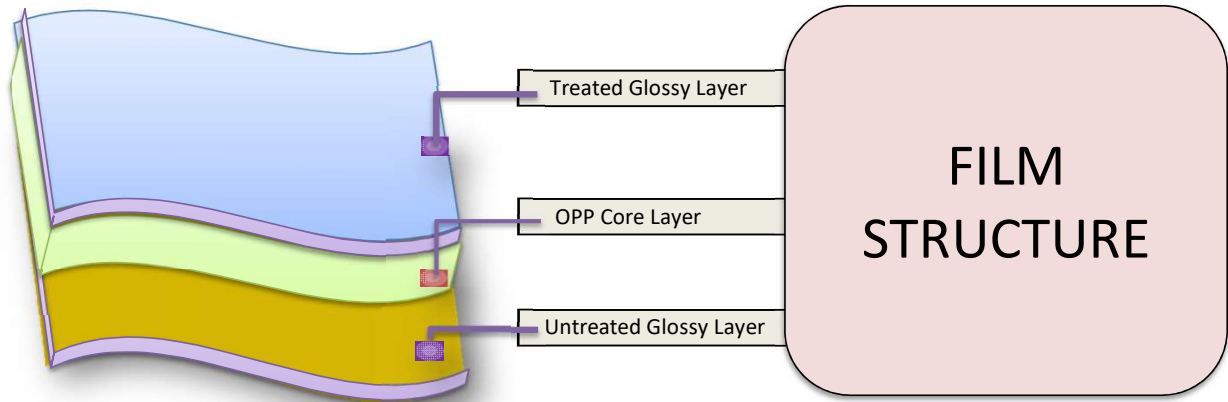




**N1-EX:** -Transparent non heat sealable with one side corona treated.Reverse printing and Extrusion lamination Film.



The big salient feature of SGF BOPP N1-EX film

Fine Printability  
Excellent Clarity

Strong Bond  
Improved Ink adhesion & stronger lamination bond

Highly Gloss  
Excellent transparency

Good antistatic & Slip  
Good surface treatment retention

Good mechanical properties

- KEY FEATURES:**
- \* Excellent transparency and high gloss.
  - \* Excellent anchorage of inks and adhesives on treated side .
  - \* Good antistatic and slip properties.
  - \* Good surface treatment retention.
  - \* Good mechanical properties.
  - \* Good dimensional stability

- APPLICATIONS:**
- \* Extrusion Lamination.
  - \* Printed posters/ calendars/ book covers lamination
  - \* Reverse printing and lamination
  - \* Conversion



| PROPERTIES                         |         | TEST METHOD (ASTM) | UNIT                | TECHNICAL DATA |      |      |      |      |      |
|------------------------------------|---------|--------------------|---------------------|----------------|------|------|------|------|------|
| THICKNESS                          |         | Internal           | Micron              | 12             | 15   | 18   | 20   | 25   | 30   |
|                                    |         |                    | (Gauge)             | 48             | 60   | 72   | 80   | 100  | 120  |
| FILM DENSITY                       |         | D-1505             | gm/cc               | 0.91           | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| GRAMMAGE                           |         | Internal           | gm/m <sup>2</sup>   | 10.9           | 13.7 | 16.4 | 18.2 | 22.8 | 27.3 |
| YIELD                              |         | Internal           | m <sup>2</sup> /kg  | 91.6           | 73.3 | 61.1 | 54.9 | 44.0 | 36.6 |
| TREATMENT LEVEL                    |         | D-2578             | dy/cm               | 38             |      |      |      |      |      |
| HAZE                               |         | D-1003             | %                   | 1.5 -2.5       |      |      |      |      |      |
| GLOSS ( AT 45 °)                   |         | D-2457             | %                   | 90 - 95        |      |      |      |      |      |
| COEFF OF FRICTION                  | Dynamic | Internal           | -                   | 0.30 - 0.45    |      |      |      |      |      |
| TENSILE STRENGTH AT BREAK          | MD*     | D-882              | kgf/cm <sup>2</sup> | 1250           |      |      |      |      |      |
|                                    | TD*     |                    |                     | 2600           |      |      |      |      |      |
| MODULUS OF ELASTICITY              | MD*     | D-882              | kgf/cm <sup>2</sup> | 18000          |      |      |      |      |      |
|                                    | TD*     |                    |                     | 28000          |      |      |      |      |      |
| ELONGATION AT BREAK                | MD*     | D-882              | %                   | 140 - 190      |      |      |      |      |      |
|                                    | TD*     |                    |                     | 40 - 80        |      |      |      |      |      |
| LINEAR SHRINKAGE (at 120°C/5 mins) | MD*     | D-1204             | %                   | < 5.0          |      |      |      |      |      |
|                                    | TD*     |                    |                     | < 3.0          |      |      |      |      |      |

Note: MD – Machine Direction, TD – Transverse Direction

### STORAGE & HANDLING

SGFBOPPTM does not require special storage conditions. It is recommended to storage below 30°C in order to avoid any deterioration of the film surface properties. It is advisable to use the material on FIFO basis. The film should be kept at anperating environment for 24 hours before processing.SGFBOPPTM is best suitable for use within 6 months from date of dispatch.

### DISCLAIMER

It is the responsibility of our customers to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. The data is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability/compatibility in all respects.SGF provides no warranty and accepts no liability for any loss or fitness of the product for any

\*TDS issued on 01-06-2023. All previous version of this grade are invalid.

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