

## BOPET Film

## OPET SealFilm

## EC-CN



*Heat sealable copolyester outside*

### Description

Transparent film with one side coextruded with a heat sealable copolyester skin layer. The base raw material is PET homopolymer with enhanced clarity in the core and in the untreated layer. The heat sealable side layer is located on the outside face of the reel.

### Main Characteristics

- Very good clarity
- Outstanding machinability
- High heat resistance
- Excellent flatness and dimensional stability
- One side heat sealable copolyester
- Moisture and temperature resistance

### Applications

Designed to be employed in a wide variety of converting processes in the food packaging industry as well as in other industrial applications. This film is heat sealable to itself and to aPET and cPET surfaces. In addition, copolyester skin confers tack heat sealable to paper and aluminum foil. It meets FDA regulations for direct food contact. It is designed for high processability in packaging machinery as the outer web in laminations. This film is ideal for packaging requiring fold closure, articles with aromas, blisters of medicines, etc.

#### \* Important Considerations

\*It is recommended to store this material at conditions not exceeding 30°C, under shade and with a relative humidity of 60%. To protect against humidity and avoid film blocking, rolls should stay covered with the plastic overwrap when not in use.

\*The information in this data sheet is based on tests carried out in our laboratories and it is intended to be used for reference only, and does not constitute a specification; therefore, should not be construed as a guarantee of performance. It is the responsibility of the user to carry out the necessary tests to guarantee its use for the intended applications.

\*This product complies with FDA and EU regulations. For more detailed information about our technical and regulatory documents, please visit our website: <https://www.obengroup.com/en/documents>

## Standard Dimensions \*

\*This product has lot size and width restrictions. Please consult your sales representative.

| Film Code | Thickness (µm) | Unit Weight (g/m <sup>2</sup> ) | Width (mm)   | Core Size | 760 mm Ø Outside Diam. |                | Treatment         |
|-----------|----------------|---------------------------------|--------------|-----------|------------------------|----------------|-------------------|
|           |                |                                 |              |           | Length (m)             | Weight (kg/cm) |                   |
| EC 12 CN  | 12.0           | 16.7                            | 400 to 2,000 | 6"        | 32,800                 | 5.49           | Coex Out Plain In |
| EC 19 CN  | 19.0           | 26.5                            |              |           | 20,800                 |                |                   |
| EC 23 CN  | 23.0           | 32.1                            |              |           | 17,200                 |                |                   |

## Typical Values of Physical Properties \*\*

\*\*Information and data presented in this data sheet is intended to be used as general guidelines. Physical properties specifications are available upon request.

| Property   | Unit | Testing Method                       | Thickness in Microns |      |      |     |
|--|------|--------------------------------------|----------------------|------|------|-----|
|  |      |                                      | 12.0                 | 19.0 | 23.0 |     |
| Haze   | -    | %                                    | ASTM D1003           | 2.5  | 3.5  | 4.0 |
| Gloss 45°  | -    | %                                    | ASTM D2457           | 120  |      |     |
| Coefficient of Friction - Kinetic                | C/C  | -                                    | ASTM D1894           | 0.45 |      |     |
|  | N/N  | -                                    |                      | 0.35 |      |     |
| Tensile Strength                                 | DM   | N/mm <sup>2</sup>                    | ASTM D882            | 190  |      |     |
|  | DT   | N/mm <sup>2</sup>                    |                      | 200  |      |     |
| Elongation at Break                              | DM   | %                                    |                      | 125  |      |     |
|  | DT   | %                                    |                      | 95   |      |     |
| Secant Modulus 2%                                | DM   | N/mm <sup>2</sup>                    | 3,900                |      |      |     |
|  | DT   | N/mm <sup>2</sup>                    | 4,200                |      |      |     |
| Shrinkage (150 °C, 30 min)                       | DM   | %                                    | ASTM D1204           | 1.2  |      |     |
|  | DT   | %                                    |                      | 1.0  |      |     |
| Seal Strength (100°C, 40 psi, 1s)                | C/C  | N/25mm                               | ASTM F88             | 3.5  | 4.0  |     |
| Water Vapor Transmission Rate (38 °C, 90 % R.H.) | -    | g/(m <sup>2</sup> .d)                | ASTM F1249           | 38   | 28   | 22  |
| Oxygen Transmission Rate (23 °C, 0 % R.H.)       | -    | cm <sup>3</sup> /(m <sup>2</sup> .d) | ASTM D3985           | 100  | 80   | 70  |

**OPET SealFilm**  
**EC-CN**