

F-CHC

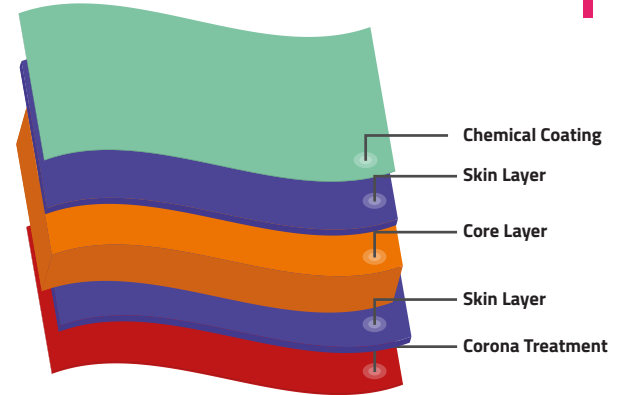
CHEMICAL COATED FILM

F-CHC is a transparent BOPET film. The film is one side Chemically Coated & one side Corona Treated.

KEY FEATURES:

- High clarity
- Chemical coating provides excellent adhesion with inks & adhesives
- Corona Treatment improves bonding
- Excellent machinability & handling properties
- Excellent metal adhesion on the chemically coated side
- Not suitable for hot fill, sterilization, or pasteurization

FILM STRUCTURE



APPLICATION:

- Converting & Metallization
- Printing & Lamination
- Form, Fill, & Seal Structures

| PROPERTIES | | TEST METHOD | UNIT | TYPICAL VALUES | | | | | | | | | | |
|--|----|-------------|------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| THICKNESS | | Internal | Micron | 8 | 9 | 10 | 11 | 12 | 15 | 19 | 21 | 23 | 36 | 50 |
| | | | (Gauge) | 32 | 36 | 40 | 44 | 48 | 60 | 76 | 84 | 92 | 144 | 200 |
| YIELD | | Internal | m² / kg | 89.28 | 79.36 | 71.42 | 64.93 | 59.52 | 47.62 | 37.59 | 34.01 | 31.05 | 19.84 | 14.28 |
| | | | in² / lb | 62901 | 55912 | 50318 | 45745 | 41934 | 33550 | 26483 | 23951 | 21876 | 13978 | 10060 |
| SURFACE TENSION (min) (Chemical coated surface) (Corona Treated surface) | | ASTM D-2578 | dyne/cm | 60 | | | | | | | | | | |
| | | | | 52 | | | | | | | | | | |
| COF (max) (One side to the other side) | | ASTM D-1894 | - | 0.55 | 0.55 | 0.55 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.45 | 0.45 |
| HAZE (max) | | ASTM D-1003 | % | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.5 | 5.0 | 5.0 | 5.0 |
| TENSILE STRENGTH AT BREAK (min) | MD | ASTM D-882 | kg/cm² | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1750 | 1750 |
| | TD | | | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| | MD | | (Psi) | 27000 | 27000 | 27000 | 27000 | 27000 | 27000 | 27000 | 27000 | 27000 | 25000 | 25000 |
| | TD | | | 28500 | 28500 | 28500 | 28500 | 28500 | 28500 | 28500 | 28500 | 28500 | 28500 | 28500 |
| ELONGATION AT BREAK (min) | MD | ASTM D-882 | % | 90 | 90 | 100 | 100 | 105 | 105 | 110 | 110 | 115 | 120 | 125 |
| | TD | | | 80 | 80 | 80 | 85 | 85 | 85 | 85 | 85 | 90 | 90 | 95 |
| LINEAR SHRINKAGE (max) (30 Minute at 150°C) | MD | ASTM D-1204 | % | 3.0 | | | | | | | | | | |
| | TD | | | 1.0 | | | | | | | | | | |
| MVTR (38° C & 90% RH) (typical) | | ASTM F-1249 | gm/m²/day | 50 | 50 | 50 | 45 | 45 | 40 | 35 | 35 | 30 | 20 | 16 |
| | | | (gm/100 in²/day) | 3.2 | 3.2 | 3.2 | 2.9 | 2.9 | 2.6 | 2.3 | 2.3 | 2.0 | 1.3 | 1.0 |
| OTR (23° C & 0% RH) (typical) | | ASTM D-3985 | cc/m²/day | 155 | 155 | 155 | 130 | 130 | 110 | 90 | 90 | 80 | 70 | 45 |
| | | | (cc/100 in²/day) | 10.1 | 10.1 | 10.1 | 8.5 | 8.5 | 7.1 | 5.8 | 5.8 | 5.2 | 4.5 | 2.9 |

STORAGE & HANDLING Untreated side of any PET film is a minimum of 42 dyne/cm.

SELEXIBLE™ needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, SELEXIBLE™ is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

SELEXIBLE™ complies with EU and FDA regulations on plastic materials used for food grade applications. Specific documents and SDS are available on request

DISCLAIMER

It is the responsibility of our customer 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. Selexible provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. Selexible reserves the right to change the technical data sheet at any time without prior notice.

Selexible

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