

# Ultra-high moisture and oxygen barrier PVDC films

For pharmaceutical, veterinary, over-the-counter and nutraceutical thermoformable blister applications

Flexapharm® SBC films are a highly cost-effective option with exceptional clarity, excellent processability and forming characteristics while providing ultra-high moisture barrier with added superior oxygen barrier.



## OVERVIEW

### Super Barrier Coated (SBC) Film

The pharmaceutical industry is continuously seeking innovative packaging materials to keep pace with their evolving needs. Complex drug formulations that require protection against moisture and oxygen are now becoming more and more common. Pharma companies are tasked with balancing the need to deliver packaging formats that meet both shelf-life requirements and patient needs.

The TekniPlex product line of SBC thermoformable films delivers the high barrier and performance coveted by the pharmaceutical industry. With exceptional barrier properties, SBC films offers a moisture barrier equivalent to high barrier grades of Aclar® while also providing the added benefit of being a superior oxygen barrier. SBC films are made with a high crystalline PVdC dispersion utilizing a proprietary coating process that promotes excellent processability and forming.

| SBC vs Aclar Barrier Properties |   |   |  |   |
|---------------------------------|---|---|--|---|
|                                 | OTR<br>cm <sup>3</sup> /m <sup>2</sup> /d<br>(23°C, 50% RH) | WVTR<br>g/m <sup>2</sup> /d<br>(38°C, 90% RH) | OTR<br>cm <sup>3</sup> /100in <sup>2</sup> /d<br>(23°C, 50 % RH) | WVTR<br>g/100in <sup>2</sup> /d<br>(23°C, 50% RH) |
| SBC 120<br>UltRx 2000           | <0.10<br>12   | 0.11<br>0.11                                  | <0.006<br>0.774  | 0.007<br>0.007                                    |
| SBC 150<br>UltRx 3000           | <0.10<br>10   | 0.08<br>0.07                                  | <0.006<br>0.645  | 0.005<br>0.005                                    |
| SBC 180<br>UltRx 4000           | <0.10<br>9  | 0.06<br>0.056                                 | <0.06<br>0.581   | 0.004<br>0.004                                    |
| SBC 240<br>UltRx 6000           | <0.10<br>7  | 0.038<br>0.036                                | <0.06<br>0.452   | 0.002<br>0.002                                    |

All SBC films are manufactured in an ISO 15378 registered facility with current good manufacturing processes and comply with existing FDA, USP, and EP regulations; Films are registered under Drug Master File 14631.



For additional information, please visit:  
[tekni-plex.com/healthcare](http://tekni-plex.com/healthcare)

## Specifications

Flexapharm® SBC films come standard as a triplex structure, available with 200μ or 250μ (7.8 mil or 10 mil) clear or white PVC. A symmetrical specification, constructed with two 5 mil (125μ) PVC films, each laminated to a 1 mil (25μ) PE layer and coated with SBC, positioning the SBC layer in the middle of the structure, is also available.

### Triplex SBC

