



*VCF FILMS, Inc.*

## **SPECIALTY FILMS --- PRODUCT INFORMATION**

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### **C-102 SOLVENT CAST PVC FILM**

**C-102 is a rigid solvent cast clear PVC film with superior clarity, very low haze and excellent processability over a wide range of temperatures.**

#### **BENEFITS**

- ❖ **Superior Clarity**
- ❖ **Very Low Haze**
- ❖ **Pin Hole Free**
- ❖ **Excellent Heat Sealing**
- ❖ **Excellent Dimensional Stability Vacuum-Forming Properties**
- ❖ **Excellent Lamination to foil and paper.**
- ❖ **Good Resistance to:**
  - **Moisture**
  - **Vapor**
  - **Common Gases**

#### **FDA COMPLIANT**

**C-102 film has been designed to be used in direct food contact applications and complies with FDA food additive regulation 21 CFR 177. 300 and 21 CFR 177. 1210**

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## C-102

GAUGES: 0.001 TO 0.002

Widths Up to 54"

| Property  | Units                                 | Typical Value     | Test Method        |
|---|---------------------------------------|-------------------|--------------------|
| Specific Gravity  |                                       | 1.36              |                    |
| Yield   | Sq. in./lbs/mil                       | 20,300            |                    |
| Tensile Strength  | Psi -MD                               | 8400              | D882               |
| Ultimate Elongation   | % - MD                                | 5                 | D882               |
| Tear Resistance   | g/mil @23C                            | 9.3               | D1938-94           |
| Stiffness   | Psi@25C                               | 270,000           | D1043.51           |
| Low Temperature Impact  | Degrees C -50% Non Failure            | 48                | SPI Impact Test    |
| Heat Sealing-.001 &1.65   | Degrees C                             | 120<br>125        |                    |
| Shrinkage MD&TD   | @ 200F / 10 mins                      | 5%                | D1204-94           |
| Gas Permeability<br>Oxygen<br>Nitrogen<br>Carbon Dioxide<br>Air | @ 25 C dry: cc/100sq.in/24 hr./mil    | 8<br>1<br>27<br>3 |                    |
| Oil Extraction  | % @ 50/24                             | Nil               | D12339-52T         |
| Water Vapor Transmission  | 95% RH; 100F, grams/100 sq. in/24/mil | 4                 |                    |
| Water Absorption-.075" Specimen                                 | % Absorption<br>% Soluble Matter Lost | 0.02<br>0.00      | D570-42<br>D570-41 |
| Water Extraction-.002" Specimen                                 | 50C /24 hrs, %                        | 0.2               | D1239-52T          |
| Volatility  | 70C /24 hrs, %                        | 1.0               | D1203-52T          |

The information and suggestions contained herein represent the best information available to VCF Films, Inc., and we believe them to be reliable. They should not, however, be construed as controlling and are present without guarantee of performance either express or implied. We urge purchasers to conduct confirmatory tests to determine final suitability for their specific use. No statement with respect to use is intended as a positive recommendation for such use and no warranty with respect to infringement of patents held by others is made or intended.