



*VCF FILMS, Inc.*

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

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### **L-11011**

#### **SOLVENT CAST PVC FILM FOR FLEXIBLE PACKAGING**

**L-11011 is a solvent-cast flexible PVC film with excellent clarity, high tear strength and elongation. It also has a high carbon dioxide transmission rate, which is desirable for packaging fresh fruit and vegetables. L-11011 meets Federal pharmaceutical requirements for the use as surgical drape film and the manufacture of intestinal bags, which has direct contact with the human body and body parts.**

#### **BENEFITS**

- ❖ **Excellent clarity**
- ❖ **Very low haze**
- ❖ **Pinhole free**
- ❖ **High tear strength**
- ❖ **High elongation**
- ❖ **Excellent toughness**
- ❖ **Meets USP requirements:**
  - **Surgical drape**
  - **Contact with the human body**

#### **FDA COMPLIANT**

L-11011 PVC film has been designed to be used in direct food contact applications and complies with FDA food additive regulation 21CFR 175.300 and 21CFR 177.1210. This film also complies with USP biological requirements for class 1V plastics and the USP biological requirements for heavy metals in plastic.

Version 2.0 Last Updated: 6/18/09

VCF Films, Inc. - 1100 Sutton, Howell, Michigan 48843 - Telephone (888) 905-7680 - Fax (517) 546-2984

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## L-11011

GAUGES: 0.0015"to 0.003"

Widths Up to 50"

Property	Units	Typical Value	Test Method
Specific Gravity		1.25	D792-50 Method A
Yield	Sq. in./lbs/mil	22,300	
Tensile Strength	Psi -MD (at 1.95 mils)	4700	D882
Ultimate Elongation	% - MD (at 1.95 mils)	490	D882
Tear Resistance	G/mil @25C	35	D1938-94
Stiffness	Psi@25C	1,200 46,000 105,000	D1043.51
Low Temperature Impact	Degrees C -50% Non Failure	-27	SPI Impact Test
Heat Sealing-.001 &.002	Degrees C 163	160 170	
Shrinkage MD&TD	@ 100C / 10 mins	5%	D1204-94
Gas Permeability Oxygen Nitrogen Carbon Dioxide Air	@ 25 C dry: cc/100sq.in/24 hr./mil	305 65 1,900 150	
Oil Extraction	% @ 50/24	5.5	D12339-52T
Water Vapor Transmission	95% RH; 100F, grams/100 sq. in/24/mil	10	
Water Absorption-.075" Specimen	% Absorption % Soluble Matter Lost	0.1 0.00	D570-42 D570-41
Water Extraction-.002" Specimen	50C /24 hrs, %	1.8	D1239-52T
Volatility	70C /24 hrs, %	6.0	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.

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