



VCF FILMS, Inc.

SPECIALTY FILMS --- PRODUCT INFORMATION

C-257-2 SOLVENT CAST PVC FILM

C-257-2 is a solvent-cast flexible PVC film with excellent clarity and high tear strength. C-257-2 is designed for applications in which toughness, good low temperature properties, dimensional stability, and chemical resistance are important. It is UV-stabilized for better weatherability.

BENEFITS

- ❖ **Superior clarity**
- ❖ **Ultra low haze**
- ❖ **Pinhole free**
- ❖ **High tear strength**
- ❖ **Good low temperature properties**
- ❖ **Excellent toughness**
- ❖ **Good chemical resistance**

NOT FDA COMPLIANT

C-257-2 should not be used in food packaging applications or other applications involving contact with food.

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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C-257-2

GAUGES: 0.001 TO .002

Widths Up to 54"

Property	Units	Typical Value	Test Method/Apparatus
Specific Gravity		1.30	Calculated
Yield	Sq. in./lbs/mil	21,352	Calculated
Tensile Strength [†]	Psi -MD	6700	Instron
Ultimate Elongation [†]	% - MD	410	Instron
Tear Resistance ^{††}	g/mil-MD	20	Instron
Stiffness	Psi @ 25 C Psi @ 0 C Psi @-25 C		D1043.51
Low Temperature Impact	Degrees C -50% Non Failure		SPI Impact Test
Heat Sealing	Degrees C, 1.65 mil	160	
Shrinkage MD/TD	@ 200°F/10 minutes	1.8%/2.0%	D1204-94
Shrinkage MD/TD	@ 250°F/10 minutes	3.1%/3.9%	D1204-94
Shrinkage MD/TD	@ 250°F/30 minutes	3.7%/4.1%	D1204-94
Gloss	60° Gloss setup; 23°C ± 2°C	150	BYK Gardner Micro TRI Gloss meter
Haze	23°C ± 2°C	0.68 %	BYK Gardner Haze-Gard Plus Hazemeter
Gas Permeability Oxygen Nitrogen Carbon Dioxide Air	@ 25 C dry: cc/100sq.in/24 hr./mil		
Oil Extraction	% @ 50/24		D12339-52T
Water Vapor Transmission	95% RH; 100F, grams/100 sq. in/24/mil		
Water Absorption-.075"	% Absorption		D570-42
Specimen	% Soluble Matter Lost		D570-41
Water Extraction-.002"	50C /24 hrs, %		D1239-52T
Specimen	70C /24 hrs, %		D1203-52T

† Machine direction (MD) at 23°C ± 2°C; 20 inches/min, 2 inch long sample, 1 inch wide

†† Machine direction (MD) at 23°C ± 2°C; 10 inches/min, trouser tears, 1 inch jaw spacing

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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