



VCF FILMS, Inc.

SPECIALTY FILMS --- PRODUCT INFORMATION

C-253 SOLVENT CAST PVC FILM

C-253 is a solvent cast flexible PVC film with excellent clarity and high tear strength. C-253 is designed for applications in which toughness, good low temperature properties, dimensional stability, chemical resistance, and resistance to moisture vapor and common gases are required.

BENEFITS

- ❖ **Superior Clarity**
- ❖ **Ultra Low Haze**
- ❖ **Pin Hole Free**
- ❖ **High Tear Strength**
- ❖ **Good Low Temperature Properties**
 - **Used in Window Film Applications**
- ❖ **Excellent Toughness**
- ❖ **Good Chemical Resistance**

NOT FDA COMPLIANT

C-253 should not be used in food packaging applications or in use in contact with food.

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C-253

GAUGES: 0.001 TO 0.002

Widths Up to 54"

Property	Units	Typical Value	Test Method
Specific Gravity		1.28	D792-50 Method A
Yield	Sq. in./lbs/mil	21,600	
Tensile Strength	Psi -MD, 1 mil	5900	D882
Ultimate Elongation	% - MD, 1 mil	450	D882
Tear Resistance	g/mil @25C	28	D1938-94
Stiffness	Psi@25C Psi@0 C Psi @-25 C	15,000 100,000 180,000	D1043.51
Low Temperature Impact	Degrees C -50% Non Failure	-40	SPI Impact Test
Heat Sealing-.001 &.002	Degrees C 163	205 210	
Shrinkage MD, TD	@ 200 F/10 mins, 1 mil	6%, 5%	D1204-94
Shrinkage MD, TD	@ 200°F / 30 min, 1 mil, 0.32 % SR	6 %, 4 %	D1204-94
Haze	Percent, 1 mil	0.40	BYK Gardner Hazemeter
Gas Permeability Oxygen Nitrogen Carbon Dioxide Air	@ 25 C dry: cc/100sq.in/24 hr./mil	140 40 960 60	
Oil Extraction	% @ 50/24	nil	D12339-52T
Water Vapor Transmission	95% RH; 100F, grams/100 sq. in/24/mil	0.8	
Water Absorption-.075" Specimen	% Absorption % Soluble Matter Lost	0.02 0.00	D570-42 D570-41
Water Extraction-.002" Specimen	50C /24 hrs, %	0.43	D1239-52T
Volatility	70C /24 hrs, %	5.0	D1203-52T

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