

## C-253

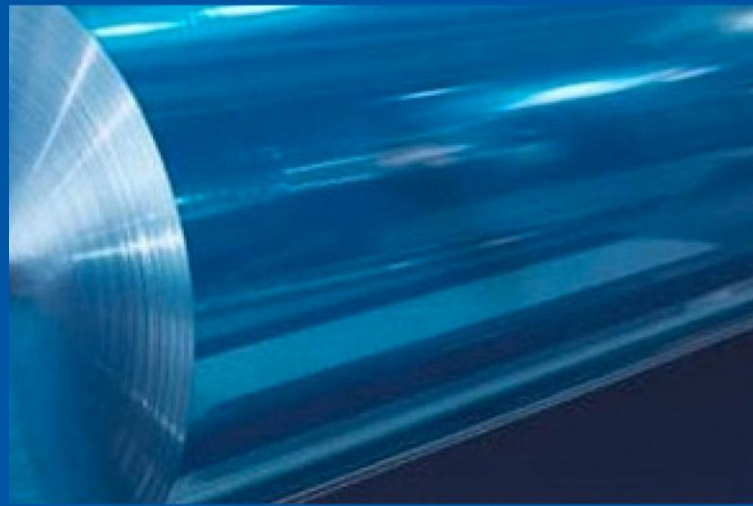
### Solvent Cast PVC Film

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. C-253 can be used in Window Film Applications.

#### Benefits

- Superior clarity
- Excellent toughness
- Good Low Temperature Properties
- Low haze
- High Tear Strength
- Good Chemical Resistance

FDA Compliance: C-253 PVC film should not be used in food packaging applications or in use in contact with food.



Revision Date:	11/20/12		
<b>Property</b>	<b>Units</b>	<b>Typical Value</b>	<b>Test Method</b>
Specific Gravity		1.28	D792-50 Method A
Yield	Sq. in./lbs/mil	21,600	Calculated
Tensile Strength	Psi –MD, 1 mil	5900	
Ultimate Elongation	% - MD, 1 mil	450	
Tear Resistance	g/mil @25C	28	
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-0.001 & 0.002	Degrees C	205 210	
Shrinkage MD, TD	@ 200 F/10 mins, 1 mil	6%, 5%	D1204-94
Haze	Percent, 1 mil	0.40	
Gas Permeability	@ 25 C dry: cc/100sq.in/24 hr./mil		
Oxygen		140	
Nitrogen		40	
Carbon Dioxide		960	
Air		60	
Oil Extraction	% @ 50C/24 hrs	nil	D1239-52T
Water Vapor Transmission	95% RH; 100F, grams/100 sq. in/24/mil	0.8	
Water Absorption-0.075" Specimen	% Absorption % Soluble Matter Lost	0.02 0.00	D570-42 D570-41
Water Extraction-0.002" Specimen	50C /24 hrs, %	0.43	D1239-52T
Volatility	70C /24 hrs, %	5.0	D1203-52T



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