



Product Data Sheet

Wiman PVC4450 Rigid Polyvinyl Chloride (PVC) Clear PVC Overlay Film

Physical Properties	Value	Units	Test Method
Specific Gravity*	1.33	g/cm ³	ASTM D 792
Yield (at .002")	10.4	MSI/lb	
Yield (at .004")	5.2	MSI/lb	
Surface Energy	39	dyne/cm	

Mechanical Properties

Tensile Strength			ASTM D 882
(MD)	7,000	psi (lbf/in ²)	
(TD)	6,500	psi (lbf/in ²)	
Elongation @ Peak Force			ASTM D 882
(MD)	5.0	%	
(TD)	5.5	%	
Elastic Modulus			ASTM D 882
(MD)	205,000	psi (lbf/in ²)	
(TD)	195,000	psi (lbf/in ²)	

Thermal Properties

Heat Deflection Temp. (264 psi)*	157 (67)	°F (°C)	ASTM D 648
Vicat Softening Point*	181 (83)	°F (°C)	ASTM D 1225 (50°C/hr, 50 N)

Property Notes

· The above mechanical property data are based on a film thickness of 0.004"

* These material properties are based on data collected from molded samples and may not be consistent with film properties

· Revised: 3/1/12 (MJK)

This information is intended to be used only as a guideline for designers and processors of modified thermoplastics. Because design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.

Data are obtained from specimens extruded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by the size and shape of the item as well as environmental conditions. No assurance can be implied that all articles will have the same properties as those listed.

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