

MonoSol® M-9500

Polyvinyl Alcohol

MonoSol, LLC

Message:

Product Description:

Mono-Sol® M-9500 cold water-soluble polyvinyl alcohol film has broad chemical compatibility and fast solubility comparable to M-8030. Formulation advances, however, provide a film with excellent heat-sealing characteristics: integrity of the seal area is maintained over a wide temperature range and heat seals are very strong. In addition, M-9500 film provides a mechanically tough package with resistance to embrittlement, and good slip/non-tack characteristics. M-9500 is suitable for a wide range of packaging applications using all types of machinery.

Toxicological Properties:

The ingredients of M-9500 are designated by the United States Environmental Protection Agency as exempt from tolerance under 40 CFR 180.1001 (d) and therefore the film is approved for use as an inert ingredient in pesticide formulations applied to growing crops under 40 CFR 180.1001 (d). All ingredients are of very low toxicity and are regarded as being non-hazardous. M-7030 film does not contain any substance listed in OSHA Standard 29 CFR 1910.1000 to 1910.1101.

General Information			
Additive	Moderate smoothness		
Features	Good heat sealability		
	Good toughness		
	Water Soluble		
	Moderate smoothness		
Uses	Packaging		
	Bags		
Forms	Films		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
Secant Modulus - 1% Secant, MD	13.8	MPa	ASTM D882
Tensile Strength - MD (Break)	40.7	MPa	ASTM D882
Tensile Elongation - MD (Break)	420	%	ASTM D882
Dart Drop Impact	1000	g	ASTM D1709
Elmendorf Tear Strength - MD	2100	g	ASTM D1922

Additional Information	
Solubility, MSTM 205, 1.5 mil, 50°F Distilled Water: Disintegration, 12 sec; Dissolution, 30 secSolubility, MSTM 205, 1.5 mil, 75°F Distilled Water: Disintegration, 7 sec; Dissolution, 18 secCIPAC MT 176, 1.5 mil: 17 secEquilibrium Moisture Content, Test Method Unspecified, 23°C, 50% R.H.: 6.4%Modulus at 100% Elongation, ASTM D882: 2000 psiMono-Sol® M-9500 film is also available in additional thicknesses.	

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