

MonoSol® MC-1257

Methyl Hydroxy Propyl Cellulose

MonoSol, LLC

Message:

Product Description:

Mono-Sol MC-1257 is a rapidly soluble specialty packaging film made from methyl hydroxy propyl cellulose (MHPC). This film is resistant to many chemical reactions which typically create insolubility in PVOH films. MC-1257 has good heat sealing properties and can be converted on conventional packing and pleat wrapping machinery.

Toxicological Properties:

The ingredients of MC-1257 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. MC-1257 film does not contain any substance listed in OSHA Standard 29 CFR 1910.1000 to 1910.1101.

General Information			
Features	Good heat sealability		
	Good chemical resistance		
	Water Soluble		
Forms		Films	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	
Secant Modulus - 1% Secant, MD	22.1	MPa	ASTM D882
Tensile Strength - MD (Break)	23.8	MPa	ASTM D882
Tensile Elongation - MD (Break)	80	%	ASTM D882
Dart Drop Impact	140	g	ASTM D1709
Elmendorf Tear Strength - MD	120	g	ASTM D1922
Additional Information			

Solubility, MSTM 205, 1.2 mil, 50°F Distilled Water: Disintegration, 9 sec; Dissolution, 25 secSolubility, MSTM 205, 1.2 mil, 75°F Distilled Water: Disintegration, 9 sec; Dissolution, 23 secEquilibrium Moisture Content, Test Method Unspecified, 23°C, 40% R.H.: 1.4%Equilibrium Moisture Content, Test Method Unspecified, 23°C, 50% R.H.: 1.9%Equilibrium Moisture Content, Test Method Unspecified, 23°C, 60% R.H.: 2.4%Modulus at 100% Elongation, ASTM D882: 3200 psiMono-Sol® MC-1257 film is also available in additional thicknesses.

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