MonoSol® M8900

Polyvinyl Alcohol

MonoSol, LLC

Message:

MonoSol M8900 is a PVOH based thermoplastic film, soluble in cold water and manufactured using MonoSol's proprietary solution cast technology. MonoSol M8900 film has been engineered specifically to be resistant to both alkaline and acidic hydrolysis. Coupled with its exceptional cold water solubility, M8900 is an excellent candidiate for detergent and disinfectant unit dose packaging. M8900 offers superior resistance to boron-containingcompounds and can be easily converted on all conventionalpackaging machines. Standard thicknesses are 38 micron (1.5 mil), 51 micron (2.0 mil) and 76 micron (3.0 mil).

General Information			
Features	Acid Resistant Alkali Resistant Biodegradable Water Soluble		
Uses	Film Packaging		
Forms	Film		
Physical	**Nominal Value**	**Unit**	
Moisture Content (23°C) [1]	4.4	wt%	
Solubility [2]			
Disintegration : 10°C, 76.2 µm	31.0	sec	
Dissolution : 10°C, 76.2 µm	56.0	sec	
Yield (76.2 µm)	9.96	m^2/kg	ASTM D4321
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	76	µm	
Film Thickness - Recommended / Available	38 µm, 51 µm, and 76 µm		
Secant Modulus - 100%, MD	10.3	MPa	ASTM D882, ISO 527-3
Tensile Strength - MD			
Break	27.6	MPa	ASTM D882
--	27.6	MPa	ISO 527-3
Tensile Elongation - MD (Break)	440	%	ASTM D882, ISO 527-3
Dart Drop Impact	1200	g	ASTM D1709, DIN 53433
Elmendorf Tear Strength - MD			
--	760	g	ASTM D1922
--	0.077	N	ISO 6383-2
NOTE			
1.	50%RH		
2.	Distilled Water (MSTM 205)		

Recommended distributors for this material

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