

MonoSol® M2000

Polyvinyl Alcohol

MonoSol, LLC

Message:

MonoSol M2000 is a PVOH based thermoplastic film, soluble in hot water and manufactured using MonoSol's proprietary solution cast technology. MonoSol M2000 is a hot water-soluble general purpose PVOH film. With high stiffness and strength, M2000 performs well in continuous molding operations. The maximum use temperature is 275 F (135 C). Standard thickness is 38 micron (1.5 mil).

General Information			
Features	Biodegradable		
	High Stiffness		
	High Strength		
	Water Soluble		
Uses	Film		
	General Purpose		
Forms	Film		
Physical	Nominal Value	Unit	
Moisture Content (23°C, 38.0 μm) ¹	6.0	wt%	
Solubility ²			
Disintegration : 60°C	18.0	sec	
Dissolution : 60°C	68.0	sec	
Yield (23°C, 38.0 μm)	100	MPa	ASTM D4321
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	μm	
Film Thickness - Recommended / Available	38 μm		
Tensile Strength - MD			
Yield,38 μm	75.8	MPa	ASTM D882
Yield, 38 μm	75.8	MPa	ISO 527-3
Tensile Elongation - MD (Yield, 38 μm)	3.0	%	ASTM D882, ISO 527-3
Thermal	Nominal Value	Unit	
Continuous Use Temperature	135	°C	
NOTE			
1.	50% RH		
2.	Distilled Water (MSTM 205)		

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