

# MonoSol® M1030 76μ

Polyvinyl Alcohol

MonoSol, LLC

## Message:

MonoSol M1030 is a PVOH based thermoplastic film, soluble in hot water and manufactured using MonoSol's proprietary solution cast technology. MonoSol M1030 is a hot water-soluble general purpose PVOH film. With high elongation, M1030 performs well in molding and vacuum bag operations. The maximum use temperature is 275 F (135 C). Standard thicknesses are 38 micron (1.5 mil), 51 micron (2.0 mil) and 76 micron (3.0 mil).

General Information			
Features	Biodegradable		
	High Elongation		
	Water Soluble		
Uses	Film		
	General Purpose		
	Vacuum Bagging Film		
Forms	Film		
Physical	Nominal Value	Unit	
Moisture Content <sup>1</sup> (23°C)	6.1	wt%	
Yield (76.0 μm)	10.3	m²/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 (76 μm)	21.4	MPa	ASTM D882, ISO 527-3
Tensile Strength - MD			
Break, 76 μm	55.8	MPa	ASTM D882
76 μm	55.8	MPa	ISO 527-3
Tensile Elongation - MD (Break, 76 μm)	490	%	ASTM D882, ISO 527-3
Elmendorf Tear Strength - MD			
76 μm	400	g	ASTM D1922
76 μm	0.041	N	ISO 6383-2
Thermal	Nominal Value	Unit	
Continuous Use Temperature	135	°C	
NOTE			

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Recommended distributors for this material

# Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

