

MonoSol® AF L336

Polyvinyl Alcohol

MonoSol, LLC

Message:

MonoSol AF L336 is a PVOH based thermoplastic film, soluble in cold water and manufactured using MonoSol AF's proprietary blown film technology. MonoSol AF L336 is a typical grade of PVOH cold water-soluble packaging film and is the film choice for powders with no special requirements or contraindications. This tough film has good solubility, machinability, toughness and cold crack resistance. It is available in bags and can be converted on most vertical form fill packaging machines. It can also be used for special applications such as self adhesive labels, lamination, and soluble dams for inert gas welding of SS pipe. Available thickness range is 20 micron (0.8 mil) to 80 micron (3.1 mil).

General Information			
Features	Biodegradable		
	Good Crack Resistance		
	Good Toughness		
	Low Temperature Resistant		
	Machinable		
	Water Soluble		
Uses	Adhesives		
	Bags		
	Film		
	Laminates		
Forms	Film		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	µm	
Film Thickness - Recommended / Available	20 µm to 80 µm		
Secant Modulus			ASTM D882, ISO 527-3
10%, MD : 32 µm	103	MPa	
100%, MD : 32 µm	31.0	MPa	
10%, TD : 32 µm	88.9	MPa	
100%, TD : 32 µm	18.6	MPa	
Tensile Strength			
MD : Break, 32 µm	46.9	MPa	ASTM D882
TD : Break, 32 µm	40.0	MPa	ASTM D882
MD : 32 µm	46.9	MPa	ISO 527-3
TD : 32 µm	40.0	MPa	ISO 527-3
Tensile Elongation			ASTM D882, ISO 527-3
MD : Break, 32 µm	200	%	
TD : Break, 32 µm	300	%	
Yield (32.0 µm)	25.0	m ² /kg	ASTM D4321

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