

MonoSol® AF L337

Polyvinyl Alcohol

MonoSol, LLC

Message:

MonoSol AF L337 is a PVOH based thermoplastic film, soluble in cold water and manufactured using MonoSol AF's proprietary blown film technology. MonoSol AF L337 is a highly plasticized grade of PVOH cold water-soluble packaging film with good film to film tack and is the film choice for stretch wrapping applications. Available thickness range is 20 micron (0.8 mil) to 60 micron (2.4 mil).

General Information			
Features	Biodegradable		
	Plasticized		
	Water Soluble		
Uses	Film		
	Stretch Wrap		
Forms	Film		
Physical	Nominal Value	Unit	
Moisture Content (23°C) ¹	7.6	wt%	
Solubility ²			
Disintegration : 10°C, 50.0 µm	24.0	sec	
Disintegration : 24°C, 50.0 µm	12.0	sec	
Dissolution : 10°C, 50.0 µm	83.0	sec	
Dissolution : 24°C, 50.0 µm	58.0	sec	
Yield (50.0 µm)	16.1	m ² /kg	ASTM D4321
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Film Thickness - Recommended / Available	20 µm to 60 µm		
Secant Modulus			ASTM D882, ISO 527-3
10%, MD : 50 µm	49.6	MPa	
100%, MD : 50 µm	17.2	MPa	
10%, TD : 50 µm	43.4	MPa	
100%, TD : 50 µm	8.96	MPa	
Tensile Strength			
MD : Break, 50 µm	30.3	MPa	ASTM D882
TD : Break, 50 µm	31.7	MPa	ASTM D882
MD : 50 µm	30.3	MPa	ISO 527-3
TD : 50 µm	31.7	MPa	ISO 527-3
Tensile Elongation			
MD : Break, 50 µm	230	%	ASTM D882, ISO 527-3
TD : Break, 5.0E-3 µm	420	%	ASTM D882

TD : Break, 50 µm	420	%	ISO 527-3
Elmendorf Tear Strength			
MD : 50 µm	1300	g	ASTM D1922
TD : 50 µm	1500	g	ASTM D1922
MD : 50 µm	0.13	N	ISO 6383-2
TD : 50 µm	0.15	N	ISO 6383-2
NOTE			
1.	50%RH		
2.	Distilled Water (MSTM 205)		

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