

MonoSol® AF L711

Polyvinyl Alcohol

MonoSol, LLC

Message:

MonoSol AF L711 is a PVOH based thermoplastic film, soluble in cold water and manufactured using MonoSol AF's proprietary blown film technology. MonoSol AF L711 is a grade of PVOH cold water-soluble packaging film engineered for flow wrapping and pleat wrapping of tablets. This film has excellent stiffness for ease of processing on flow wrapping and pleat wrapping equipment. Available thickness range is 20 micron (0.8 mil) to 60 micron (2.4 mil).

General Information			
Features	Biodegradable		
	Good Processability		
	Good Stiffness		
	Water Soluble		
Uses	Film		
	Stretch Wrap		
Forms	Film		
Physical	Nominal Value	Unit	
Moisture Content (23°C) ¹	7.1	wt%	
Solubility ²			
Disintegration : 10°C, 35.0 µm	12.0	sec	
Disintegration : 24°C, 35.0 µm	5.0	sec	
Dissolution : 10°C, 35.0 µm	120.0	sec	
Dissolution : 24°C, 35.0 µm	72.0	sec	
Yield (35.0 µm)	22.9	m ² /kg	ASTM D4321
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	35	µm	
Film Thickness - Recommended / Available	20 µm to 60 µm		
Secant Modulus			ASTM D882, ISO 527-3
10%, MD : 36 µm	89.6	MPa	
100%, MD : 36 µm	33.8	MPa	
10%, TD : 36 µm	82.7	MPa	
100%, TD : 36 µm	22.8	MPa	
Tensile Strength			
MD : Break, 36 µm	45.5	MPa	ASTM D882
TD : Break, 36 µm	43.4	MPa	ASTM D882
MD : 36 µm	45.5	MPa	ISO 527-3
TD : 36 µm	43.4	MPa	ISO 527-3
Tensile Elongation			ASTM D882, ISO 527-3

MD : Break, 36 µm	180	%	
TD : Break, 36 µm	230	%	
Dart Drop Impact (36 µm)	560	g	ASTM D1709, DIN 53433
Elmendorf Tear Strength			
MD : 36 µm	390	g	ASTM D1922
TD : 36 µm	390	g	ASTM D1922
MD : 36 µm	0.040	N	ISO 6383-2
TD : 36 µm	0.040	N	ISO 6383-2
NOTE			
1.	50%RH		
2.	Distilled Water (MSTM 205)		

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