

MonoSol® E6030C

Polyvinyl Alcohol

MonoSol, LLC

Message:

MonoSol E6030C is a PVOH based thermoplastic film, soluble in cold water and manufactured using MonoSol's proprietary solution cast technology. MonoSol E6030C is an embossed rapidly dissolving clear PVOH film used for unit dose packaging of industrial and household cleaning compounds. Its relatively high modulus makes it particularly suitable for small pouching and tight wrapping applications. This film is commonly used for Toilet Block Disinfectants, Deodorizers and Cleaners and is converted on conventional pleat wrapping and flow-wrapping. Standard thicknesses are 20 micron (0.8 mil) and 25 micron (1.0 mil).

General Information			
Features	Biodegradable		
	Embossed		
	Water Soluble		
Uses	Film		
	Packaging		
	Shrink Wrap		
Appearance	Clear/Transparent		
Forms	Film		
Physical	Nominal Value	Unit	
Moisture Content (23°C) ¹	5.2	wt%	
Solubility ²			
Disintegration : 10°C, 25.4 µm	6.0	sec	
Disintegration : 24°C, 25.4 µm	3.0	sec	
Dissolution : 10°C, 25.4 µm	22.0	sec	
Dissolution : 24°C, 25.4 µm	15.0	sec	
Yield (25.4 µm)	2.99	m ² /kg	ASTM D4321
Films	Nominal Value	Unit	Test Method
Film Thickness - Recommended / Available	20 µm and 25 µm		
Secant Modulus - 100%, MD	21.7	MPa	ASTM D882, ISO 527-3
Tensile Strength - MD			
Break	25.2	MPa	ASTM D882
--	25.2	MPa	ISO 527-3
Tensile Elongation - MD (Break)	280	%	ASTM D882, ISO 527-3
Dart Drop Impact (25 µm)	300	g	ASTM D1709, DIN 53433
Elmendorf Tear Strength - MD			
--	830	g	ASTM D1922
--	0.084	N	ISO 6383-2
NOTE			

1.	50%RH
2.	Distilled Water (MSTM 205)

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