

# APICAL 50NP

PI Film  
Kaneka North America LLC

Message:  
APICAL 50NP is a PI Film material. It is available in Latin America or North America.

General Information			
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Water Absorption (23°C, 24 hr)	< 3.8	%	IPC TM-650 2.6.2
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882A
MD : Break	> 207	MPa	
TD : Break	> 207	MPa	
Tensile Elongation			ASTM D882A
MD : Break	> 40	%	
TD : Break	> 40	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (200°C)	> 1.0E+12	ohms·cm	ASTM D257
Dielectric Strength <sup>1</sup> (in Air)	> 240	kV/mm	ASTM D149
Dielectric Constant (1 kHz)	< 3.90		ASTM D150
Dissipation Factor (1 kHz)	< 3.5E-3		ASTM D150
NOTE			
1.	500 V/sec		

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