

APICAL 120AF616

Thermoset Polyimide

Kaneka Corporation

Message:

APICAL 120AF616 is a Thermoset Polyimide material. It is available in North America.

Important attributes of APICAL 120AF616 are:

Flame Rated

Chemical Resistant

Flame Retardant

Good Sealability

Moisture Resistant

Typical application of APICAL 120AF616: Film

General Information			
UL YellowCard	E48854-241072		
Features	Flame Retardant		
	Good Chemical Resistance		
	Good Heat Seal		
	Moisture Resistant		
Uses	Film		
Appearance	Natural Color		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm ³	ASTM D1505
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	μm	
Secant Modulus - 1% Secant, MD	2790	MPa	ASTM D882
Tensile Strength - MD (Break)	193	MPa	ASTM D882
Tensile Elongation - MD (Break)	90	%	ASTM D882
Elmendorf Tear Strength - MD	14	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
RTI Elec (0.0300 mm)	240	°C	UL 746
RTI Str (0.0300 mm)	200	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+14	ohms · cm	ASTM D257
Dielectric Strength	260	kV/mm	ASTM D149
Dielectric Constant (1 kHz)	3.40		ASTM D150
Dissipation Factor (1 kHz)	1.4E-3		ASTM D150
Hot-wire Ignition (HWI) (0.0300 mm)	120	sec	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.0300 mm)	V-0		UL 94

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

