



Taimide Tech Incorporation

A High Performance Film Manufacturer

Properties of Taimide® OT Polyimide Film

Confidential

Property	Test Item		Unit	OT -012	Test Method
	Thickness		mil	0.5	
Mechanical	Tensile Strength	MD	Kgf/mm ²	19	ASTM D882
		TD		19	
	Elongation	MD	%	40	
		TD		40	
	Young's Modulus	MD	Kgf/mm ²	500	
		TD		500	
Thermal	Dimensional Stability	MD	%	-0.05	IPC-TM-650 m2.2.4
		TD		-0.05	
	Coefficient of Thermal Expansion (100~200°C)	MD	ppm/°C	25	ASTM D696
		TD		25	
	Tg (Glass Transition Temperature)		°C	270	TMT method
Electrical	Dielectric Breakdown Voltage		kV/mil	3	ASTM D149
	Dielectric Constant		-	3.0	ASTM D150
	Dissipation Factor		-	0.009	
	Volume Resistivity		Ω·cm	3.8x10 ¹⁶	ASTM D257
	Surface Resistance		Ω	3.8x10 ¹⁶	
Optical	Color (b*)		-	4	ASTM E313
	Total Transmittance		%	87	ISO 14782
	Haze		-	3	
Others	Water Absorption		%	1.1	ASTM D570

The above data is subject to change without notice.