

PAI Properties

Parameter table

Property	Testing items		Rated value	Unit
Physical properties	color		-	
	density		2.4	Kg/m ³
Mechanical properties	Tensile strength(20°C)		131	Mpa
	Flexural strength (20°C)		186	Mpa
	Compressive strength (20°C)		221	Mpa
	Flexural modulus		3584	Mpa
	Izod impact strength	notched	2.5	Ft.1b/in
		unnotched	20	
Thermal properties	elongation		6	%
	Tg(N ² , 10°C/min)		265	°C
	T _d ⁵ (Air, 10°C/min)		530	°C
	Tg(1.82MPa, N ²)		268	°C
Electrical properties	Dielectric loss		1.0×10 ⁻⁴	
	Dielectric constant (1MHz)		3.2	-
	Surface resistance		1.2×10 ¹⁴	Ω
	Volume resistance		3.5×10 ¹⁶	Ω·cm

★ The numerical values are representative values, not standard values.