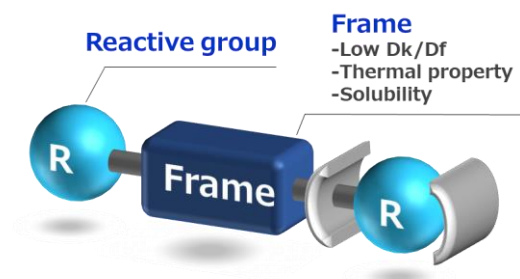


CG-6000 series

Low CTE, High T_g, Low Dk/Df, High Compatibility

Design Concept



Products list

			Ref CG-7003	CG-6001	CG-6002	CG-6003
Feature			Low Df polymer	Low CTE High Solubility	Low CTE Low Df High Solubility	Low CTE High T _g
Product	Structure	Frame	-	Type-2	Type-3	Type-1
		R	-	Radical-curable	Radical-curable	Radical-curable
	Non-volatile (%)		62	62	62	30
	Solvent (%, Toluene)		38	38	38	70
	T _d ¹ (°C) Dried sample/uncured		258	350	150	350
Properties*	Dk @10GHz		2.6	2.6	2.6	2.6
	Df @10GHz		0.0011	0.0012	0.0011	0.0012
	T _g (°C, DMA)		170	190	180	200
	Total CTE [% , Δ(40-260°C)]		5	4	3	3

*Composition : CG-7003/Cross-linker/Initiator = 70/30/0.5 wt (dry), Curing Condition: 200°C x 2h, under N₂.