



Product Guide



Designation		Std. T_g 130-140°C	Mid T_g 150°C	High T_g >170°C	Thermal resistant, esp. for lead-free technologies	Cycle resistant -40°C/+140°C, 1000 Zyklen	α_z CTE <70 ppm/K	α_z CTE <50 ppm/K	α_z CTE <40 ppm/K	ϵ_r D_k <3.9@2 Ghz	Tan δD_f <0.01@2 Ghz	High speed/high frequency	Low damping (α S21/db)	CAF-resistant	Remark	Additional Products:
Standard	DE 104/PCL 240	●					●								Standard FR4	FR402
	DE 104 KF	●			●			●						●	CTI 400	Tg 140 Tetrafunktion. Epoxy
Epoxy	DE 114		●				●								FR-4	IS415
Laminates	DE 117/FR406/PCL 370			●			●								FR-4	TG 170 Epoxy, improved dielectrics
Green	DE 156		●		●	●		●							Halogen free flame retarder	
Laminates	IS500			●	●	●		●							High T_g , halogen free flame ret.	P95 Polyimide, HB as per UL94
Thermal	DE 104 i	●			●			●							High thermal resistance	GETEK
	IS410			●	●		●								High thermal resistance	Tg180 PPO/Epoxy blend
Reliable	IS400		●		●	●		●							Low CTE: $\alpha_z = 35-40$ ppm/K	
Epoxy	PCL 254		●		●	●		●							Low CTE: $\alpha_z = 35-40$ ppm/K	
	IS420			●	●	●		●							Low CTE: $\alpha_z = 35-40$ ppm/K	
Laminates	PCL 370HR			●	●	●		●							Low CTE: $\alpha_z = 35-40$ ppm/K	
Signal Integrity	FR408			●	●		●			●	●	●			Signal integrity/Epoxy based	
	IS620			●	●			●		●	●	●	●		APPE-alternative	
	IS640	●			●		●			●	●	●	●		PTFE-alternative	
High-Performance	G 200/GI 180			●	●		●			●	●				Semiconductor grade	
	P 96/P 26			●	●		●								Polyimid, V-0, MDA-free	