

CCL Report 2023

- **Publication Date : August 28, 2023**
- **Format : A4 size, 308 pages, including a hard copy & a soft copy**
- **Price : JPY 450,000 (for Corporate Contract)
JPY 600,000 (for Global Contract)**

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1. Analysis of the global market overview of CCLs in 2022 through conducting a detailed investigation into the trends of key suppliers and forecasting the market size by product types and applications up until 2032.
2. Analysis of the market share, production sites, and production capacity of the major 37 companies including Kingboard, SYTECH, Nan Ya Plastics from China, Taiwan, Japan, South Korea, and Western countries.
3. Analysis of the movements of CCLs in promising fields, including CCLs for IC substrate and automotive applications, as well as Low Loss CCLs for HSDs and antennas.

Researched Items & Related Categories



Items		Description		
Categories	CCL/ PP	Paper Phenolic	FR1, FR2, XPC, etc.	
		Composite	CEM1, CEM-3, etc.	
		Glass Epoxy (Tg)	Low Tg	$T_g < 150^\circ\text{C}$ (TMA or DSC)
			Middle Tg	$150^\circ\text{C} \leq \text{Middle Tg} < 170^\circ\text{C}$ (TMA or DSC)
			High Tg	170°C (TMA or DSC) \leq High Tg
		High-Functional	PTFE, Polyimide, Cyanate Ester, etc.	
		Metal Base	Organic Resin Clad with a Metal Layer (Aluminum, Copper, etc.)	
		Insulation Materials	Insulation Films for Build-Up Layers	
	FCCL	Materials for Flexible Circuits		
	Others	Mass Lamination Boards, Coverlay Films, Bonding Sheets, Insulation Boards, etc.		
Application Fields	Consumer	Audio/visual equipment, home appliances, etc.		
	Computer	PCs, PC peripherals, large computers, storages, servers, etc.		
	Communication infrastructure	Switches/routers, base station related equipment, communication relay equipment, telephone related equipment, etc.		
	Mobile	Mobile phones, wearables, tablets, wireless devices, etc.		
	Automotive	ECU board, car navigation, car audio, etc.		
	Industrial & Medical	Factory equipment such as machine tools, building equipment such as elevators, railways, energy-related equipment, medical equipment, etc.		
	Aerospace & Military	Passenger planes, artificial satellites, fighters, etc.		
	IC Substrates	BGA/CSP, Modules Partially Included		

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