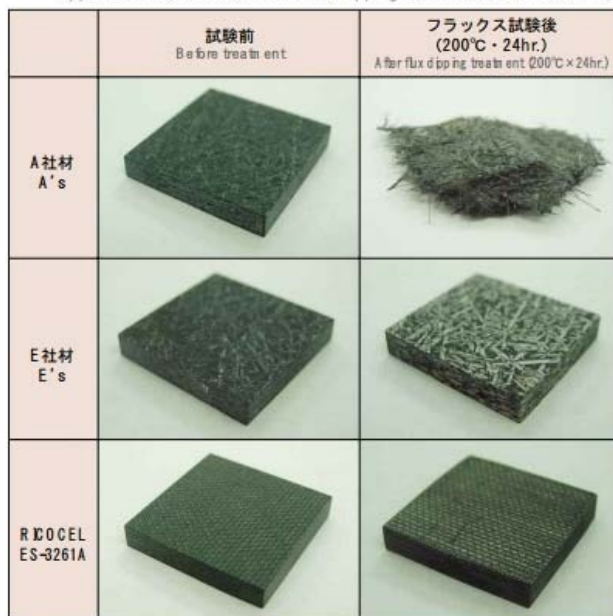


Antistatic high-temperature and chemical resistant solder pallet material

- Excellent for lead free soldering process
- Extremely long cycle life

Appearance before /and after flux dipping treatment(200°C×24hr.)



RICOCEL is the name of the black colored epoxy glass material ES-3261A which is extremely durable at high temperature and flux chemicals of lead free solder. It is mostly used as PCB carrier or solder pallet in different soldering process. According to the various tests, RICOCEL material has been proved as it has excellent dimensional stability, very low water absorption and weight loss etc. Also the machining workability is superior compared to other material on the market. RICOCEL material is supplied in a master sheet format of 2040mm x 1200mm with approximate 10mm production margin on every side. The material is available in stock with thicknesses from 3.0mm to 14.0mm. The main advantages to the other materials on the market are as follows.

- ◆Increase of soldering cycle times of solder pallet thanks to great durability.
- ◆Precise and defect free soldering process thanks to superior stability.
- ◆Possibility of designing very fine structure and precise solder pallet.
- ◆Time saving by high speed cutting and drilling with less burrs on the edge.

Technical data of ES-3261A (stand 07.2014)

	Unit, Condition	Value
Surface Resistance / Oberflächenwiderstand	Ohm	1×10^7
Specific Gravity / Dichte	g/cm ³	1,95
Bending Strength / Biegefestigkeit	Mpa, 23°C	550
Flexural Modulus / Elastizitätsmodul	Gpa, 23°C	28
Thermal Expansion / Wärmeausdehnungskoeffizient	ppm/K, 50°C->250°C	9
Max. Operating Temperature / Grenztemperatur	°C	350
Standard Operating Temperature/ Dauerbetriebstemperatur	°C	300
Flatness Tolerance / Ebenheitstoleranz	mm, 300mm x 300mm	± 0,15
Parallelism / Planparallelität	mm	± 0,08
Thickness Tolerance / Dickentoleranz	mm	± 0,10
Water Absorption / Wasseraufnahme	%	0,02
Thermal Conductivity / Wärmeleitfähigkeit	W/mK	0,38
Standard Sheet Format / Standard Tafelformat	mm	2040 x 1200 (+ 10 / - 0)
Available Thickness / Materialdicke	mm	3, 4, 5, 6, 8, 10, 12, 14