

DUCOLITE is the name of the cost effective epoxy glass material which is highly durable at high temperature soldering processes including the lead free soldering. DUCOLITE has been developed to answer the market demands for the material which is antistatic, durable but still very economical. DUCOLITE has excellent dimensional stability, very low water absorption and weight loss. Also the machining workability is excellent enough to satisfy customer needs for high productivity. DUCOLITE material is supplied in a master sheet format of 2440 mm x 1220 mm which is highly beneficial to get the most usage when cut into working panels. The material is available in stock with most frequently required thicknesses.

Main features

- Complete antistatic material
- Top price-performance ratio
- Easy to fabricate with fast milling speed
- Bigger sheet size, high cutting efficiency
- Various thickness available in stock
- Grey color material also available



Technical data of GM654 (stand Nov. 2019)

Properties	Unit, Condition	Value
Surface Resistance / Oberflächenwiderstand	Ohm	1×10^7
Specific Gravity / Dichte	g/cm ³	1,90
Bending Strength / Biegefestigkeit	Mpa	350
Flexural Modulus / Elastizitätsmodul	Gpa	22
Thermal Expansion / Wärmeausdehnungskoeffizient	ppm/k	10
Max. Operating Temperature / Grenztemperatur	°C	330
Standard Operating Temperature/ Dauerbetriebstemperatur	°C	280
Flatness Tolerance / Ebenheitstoleranz	mm	± 0,15
Parallelism / Planparallelität	mm	± 0,15
Thickness Tolerance / Dickentoleranz	mm	± 0,15
Water Absorption / Wasseraufnahme	%	0,08
Thermal Conductivity / Wärmeleitfähigkeit	W/mK	0,50
Standard Sheet Format / Standard Tafelformat	mm	2440 x 1220 (+10/-0)
Available Thickness / Materialdicke	mm	5, 6, 8, 10, 12