

Electrically Insulating Materials - Quick Reference Guide



UL 94 FR Rating

High Temperature Range

Dielectric Strength

Fibre / Paper

Unbleached Kraft (VHR 115)	UL 94 HB	230° F	250 V/Mil
Aramid Fibre (Nomex 410)	UL 94 V-0	430° F (continuous)	430 V/Mil
Vulcanized Fibre (Fishpaper)	UL 94 HB	239° F	400 V/Mil

Industrial Laminates

Epoxy Glass (FR4)	UL 94 V-0	(approx.) 265° F	840 V/Mil
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Plastics

Polypropylene (Formex)	UL 94 V-0	203-240° F	1800-2200 V/Mil
Polyimide (Kapton Film)	UL 94 V-0	390-428° F (continuous)	6,000 V/Mil
Polycarbonate (Lexan)	UL 94 V-0	185° F (continuous)	17,000 V/Mil
Teflon (FEP)	UL 94 V-0	400° F (continuous)	6,500 V/Mil

Note: Chart is for quick reference only, not for specification writing. Always check data sheets for values. Visit: LGStechnologies.com to learn more.