

PP flame retardant insulating film	
Introduction	PP Flame Retardant Insulating Film is an improved fireproof grade PP material, which is extruded into an electronic insulating material. It has a fire rating of 94-V0. The product plays the role of insulation, flame retardant, separation, etc., and can be die-cut into various shapes.
Application	It is widely used in PCB, LCD, light guide plate, precision printing of soft film, clean room, SMT, electronic semiconductor and other industries.
Property	
Product Code	PF-10101
Technical Parameters	
color	White, black, or other
Surface texture	Matte/matte
Total Thickness [mm]	0.1~3
Elongation At Break[%]	>150
Tensile Strength[N/mm]	45-50
Hardness [R-Scale]	65-68
RTI [°C]	115
VST [°C]	148-152
Surface adhesion [Dynes/cm]	≥40
density [g/cm³]	0.95-1.0
breakdown voltage [KV]	0.125MM: 12、 0.25MM: 22、 0.43MM: 26、 0.76MM: 33、 1.0MM: 40、 1.5MM:50
Dielectric constant	2.6
CTI [V]	610
volume resistivity [Ω•cm]	10 ¹⁶
Surface insulation resistance [Ω]	10 ¹⁵
Flame retardant grade	>0.25mm: V-0 ≤0.25mm: VTM-0
Oxygen index[%]	29
Water absorption [%]	0.06
Storage and shelf life	It is recommended to store in a clean and dry place, away from direct sunlight to prevent damage to the packaging, and to avoid storing with volatile solvents. Store at 25±5° C and humidity at 50±5%.