



FLAME RETARDANT UL94 V0 PET INSULATION FILM



UL94 V-0
Flame Retardant



Excellent
Electrical Insulation



High Heat Resistance
-40°C to +150°C



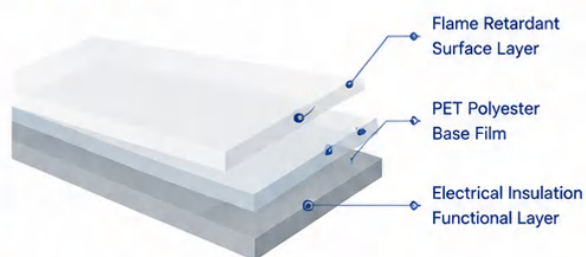
RoHS & REACH
Compliant



OEM Slitting
Available



STRUCTURE



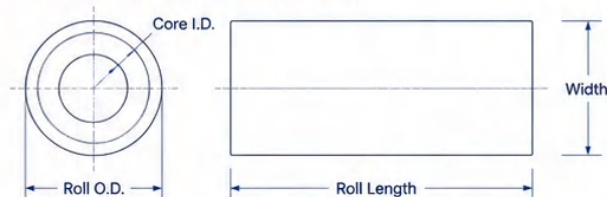
TECHNICAL SPECIFICATIONS

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
Material	–	PET (Polyester)	–
Flame Rating	–	UL94 V-0	UL94
Thickness Tolerance	mm	±10%	ASTM D374
Tensile Strength (MD)	MPa	≥ 170	ASTM D882
Tensile Strength (TD)	MPa	≥ 170	ASTM D882
Elongation at Break (MD)	%	≥ 100	ASTM D882
Elongation at Break (TD)	%	≥ 100	ASTM D882
Dielectric Strength	kV/μm	≥ 150	ASTM D149
Volume Resistivity	Ω·cm	≥ 1.0 × 10 ¹⁶	ASTM D257
Surface Resistivity	Ω/□	≥ 1.0 × 10 ¹⁴	ASTM D257
Dielectric Constant (1MHz)	–	3.2	ASTM D150
Dissipation Factor (1MHz)	–	≤ 0.005	ASTM D150
Heat Shrinkage (150°C, 30min)	%	≤ 1.5	ASTM D1204
Operating Temperature	°C	-40 ~ +150	–

STANDARD SIZES

Thickness	0.025 / 0.05 / 0.075 / 0.10 / 0.125 / 0.188 / 0.25 mm Custom thickness available
Width	500 / 760 / 1000 / 1250 mm Custom width available
Roll Length	100 / 200 / 500 m Custom length available
Core Size	3 inch (76 mm) 6 inch (152 mm)
Color	Transparent / Milky White (custom available)
Surface	Smooth / Matte (custom available)

DIMENSIONAL DRAWING (Unit: mm)



TYPICAL APPLICATIONS



Electric Motors



Transformers



PCB & FPC



Lithium Battery
Packs



Power Supply
Modules



Capacitors



Energy Storage
Systems



Automotive
Electronics

Note: The above data are typical values, not to be used as product specifications.