

APA Composite pape						
Introduction		APA composite insulating paper is a special insulating material consisting of a layer of polyester film in the middle and polyaramid paper on both sides. It has good mechanical properties such as tensile strength and edge tear resistance as well as good electrical strength. Its surface is smooth, which ensures trouble-free when producing low-voltage motors using automatic off-line machines				
Application		1.It is mainly used for inter-slot, slot-to-cover and interphase insulation in low-voltage motors, but APA can also be used as interlayer insulation for transformers or other appliances. 2. Forming Processing: APA is suitable for manual and mechanical automatic off-line and is easy to cut, cut, bend, or compress mold.				
Property						
Nominal thickness [mm]		0.13	0.14	0.17	0.19	0.21
Thickness deviations[%]		±15				
ration [g/m²]		136	156	191	226	221
Nominal thickness of the film [mm]		0.04	0.05	0.075	0.1	0.125
Aramid paper nominal thickness [mm]		0.04	0.04	0.04	0.04	0.04
Breakdown voltage [KV]	Do not bend	≥7	≥9	≥11	≥12	≥14
	After bending	≥6	≥8	≥10	≥11	≥12
Tensile Strength[N/10mm]		MD ≥100 TD ≥70	MD≥ 120 TD≥ 90	MD≥ 160 TD≥ 130	MD≥ 190 TD≥ 160	MD≥ 220 TD≥ 190
Elongation At Break[%]		MD≥ 15 TD≥ 20		MD≥ 20 TD≥ 20		
Dielectric strength[KV]		≥6	≥7	≥9	≥11	≥14
Normal adhesion		No layering				
Hot adhesion (220±2) ° C, 10min		No delamination, no foaming, no glue flowing				
Long-term heat resistance[℃]		155-180				
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%.				