

POLY - INSULATION

Type: N-747
 Class: H+
 Grade: High Grade
 Sign: Yellow Line
 Brand Name: CubiC

Roll No.: 25 n 0001

N-747 type is made from high grade polyester film which is called High Grade Mylar. Then both sides are coated with non-woven Aramid fiber using a special method. This type combines the best Mylar and Aramid fiber so that it can support the excellent properties on high temp.

Properties and application:

N-747 type is Class H (180°C) insulating material. This product has good flexibility and paint absorption, high mechanical strength, and excellent electrical properties.

It is suitable for inter-slot insulation of H-Class motors and generators, and can also be used as inter-layer of dry-type transformers, spacer insulation, etc.

Properties		Units						
Nominal thickness		mm	0.15	0.20	0.25	0.30	0.35	0.40
Thickness tolerance		mm	±0.015	±0.015	±0.020	±0.020	±0.025	±0.025
Grammage and tolerance		g/m ²	150±15	225±20	295±25	355±30	425±35	495±40
Tensile strength	MD	No bending	≥150	≥170	≥240	≥270	≥330	≥370
		After bending	≥80	≥100	≥160	≥200	≥250	≥280
	CD	No bending	≥90	≥105	≥180	≥210	≥270	≥320
		After bending	≥70	≥90	≥130	≥150	≥200	≥230
Elongation	MD	%	≥15			≥20		
	CD		≥20			≥25		
Breakdown voltage	No bending	KV	≥7	≥11	≥14	≥19	≥21	≥23
	After bending		≥6	≥9	≥12	≥15	≥17	≥19
Bonding property at room Temp.		-	No delamination					
Bonding property at 200°C, 10 min		-	No delamination, No bubble, No glue flow					
Temp. index of heat resistance in long term (TI)		°C	≥180					
Mfg. date / Exp. date		Jan 2024 / Jan 2027						
End of quality warranty		12 months after opening the package or Exp. date whichever is earlier						
Stamp & Signature								



Remark:

MD/CD: Machine Direction/Cross Direction.

Storage: Store in a dry and cool place. Any improper maintenance will void the warranty.