

POLY-INSULATION

Type: D-449
 Class: F+
 Grade: Mid-Grade
 Sign: Orange Line
 Brand Name: CubiC

Roll No.: 25 d 0 0 0 1

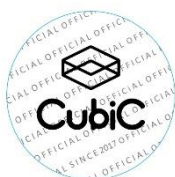
D-449 type is made from high melting point polyester film which is called Milky White Mylar. Then both sides are coated with non-woven polyester fiber using a special method. This type combines the Mid-Grade of Mylar and non-woven polyester fiber so that it can support the acceptable properties as economic insulation.

Properties and application:

D-449 type is Class F (155°C) insulating material. This product has high mechanical strength, excellent electrical properties, and immerses the function.

It is suitable for slot insulation, interphase insulation and liner insulation in Y2 and other F-Class electrical motor and electric apparatus, 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	180±15	240±20	300±25	360±30	430±35	500±40
Tensile strength	MD	No bending	≥150	≥180	≥220	≥270	≥320	≥370
		After bending	≥80	≥130	≥180	≥200	≥250	≥300
	CD	No bending	≥90	≥130	≥180	≥200	≥250	≥300
		After bending	≥70	≥110	≥150	≥170	≥200	≥230
Elongation	MD	%	≥10			≥12		
	CD		≥15			≥18		
Breakdown voltage	No bending	KV	≥7	≥11	≥13	≥16	≥20	≥22
	After bending		≥6	≥9	≥12	≥14	≥17	≥19
Bonding property at room Temp.		-	No delamination					
Bonding Property At 180°C, 10 min		-	No delamination, No bubble, No glue flow					
Temp. index of heat resistance in long term (TI)		°C	≥155					
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: Machine Direction, CD: Cross Direction.

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