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HP Mica Paper Tape 31-4H-31-110

Properties and Applications

The HP Mica Paper Tape 31-4H-31-110 is a high-performance mica tape for critical coil and cable insulating applications, such as main ground wall insulation in traction and high-voltage stator and armature coils, shielding in high-voltage cables, and as VPI type mica tape for class H motors.

This is a two-ply product consisting of mica paper, glass cloth and a high-temperature silicone binder. This product is ideal for class H applications and applications requiring a tape that is highly penetrable without the use of lower temperature rated polyester mats.

The 31-4H-31-110 is a very stable product. Shelf life is 12 months when stored at no more than 25°C and 24 months when stored at no more than 5°C.

Main Specification

Properties	Unit	Values
Thickness	mm	0.12 ± 0.02
Total Weight	g/m ²	172 ± 15
Mica Content	g/m ²	120 ± 10
Binder Content	g/m ²	16 ± 5
Breakdown Voltage	kv	≥ 1.0
Flexibility (Stiffness)	N/m	≤ 60
Tensile Strength	N/cm	≥ 140
Porosity	sec/100cc	≤ 4000
Glass Cloth	g/m ²	36 ± 2
Min. Shelf Life at 5°C/Years	Month	24
Min. Shelf Life at 20 ± 5°C	Month	12
Thermal Class		H

The 31-4H-31-110 is a special order product. For the most part, it can be ordered in any width and length rolls, subject to minimum order requirements.