

電磁波抑制シート【高周波対応品】

Electromagnetic wave suppression film (high frequency compatible product)

NF5G-017



特長

Features

- マイクロ波～ミリ波帯域の近傍界対策に適しています。
- アラミド紙を基材としており強度、耐熱性が高い。
- ご要望の形状、大きさに加工を施し納入させていただきます。
- 難燃性：UL94VTM-0 認定品

The product is suited to suppressing electromagnetic noise in or near microwave to millimeter wave bands.

The base material is made of Aramid paper and offers high strength and high heat resistance. Products can be delivered after being processed to custom shapes and sizes as requested by the customer.

Flame retardant grade: UL94 VTM-0



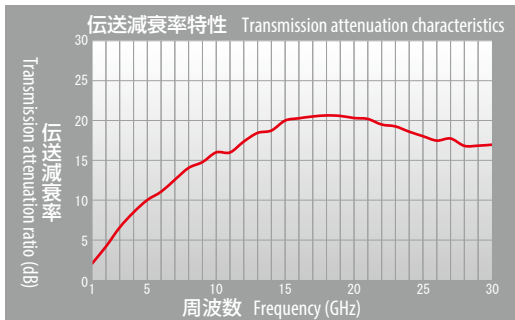
構造

Structure



電磁波抑制特性

Electromagnetic Wave Suppression Characteristic



一般特性

General characteristics

項目 Item	規格 Specification		条件 Conditions
製品厚み Product thickness	167 μ m + 20/-10 μ m	167 μ m + 20/-10 μ m	剥離フィルムを除く Excludes release lm.
基本製品サイズ Product dimensions	幅：250mm + 10mm/-0 長さ：30m + 1m/-0	Width: 250 mm + 10 mm/-0 Length: 30 m + 1 m/-0	内径 3 インチ紙管に巻付け、微粘着テープ 1 周以上巻き、端を止める The product is rolled around a paper core with an inside diameter of 3 inches, and slightly adhesive tape is wrapped at least one full turn to fasten the end of the rolled sheet.
製品の継 Splicing	1 箇所まで 1 条の長さが 10m 以上	Up to one splice. One strip should be at least 10 m long.	
色調 Color	表面：白 (斑模様) 粘着面：黒	Front surface: white (mottled pattern), adhesive surface: black	目視 Visual check
高分子層表面抵抗値 Surface resistance of polymer layer	90 Ω /□ ± 10 Ω /□ (初期)	90 Ω /□ ± 10 Ω /□ (initial value)	渦電流式抵抗率測定値「EC-80P」 Resistivity measured by the eddy current method [EC-80P].
製品体積抵抗値 Product volume resistivity	1.0 × 10 ¹¹ Ω	1.0 × 10 ¹¹	ASTM D257
電磁波抑制効果 Electromagnetic wave suppression	周波数 28GHz：13dB 以上 (初期)	Frequency 28 GHz: 13dB or better (initial value)	伝送減衰率 Transmission attenuation rate
厚み方向絶縁性 Electric insulation along direction of thickness	絶縁破壊電圧：3kV 以上 (絶縁破壊強さ：20kV/mm 以上)	Dielectric breakdown voltage: 3 kV or more (Dielectric strength: 20 kV/mm or more)	ASTM D149 Type2 ϕ 25mm 電極 ASTM D149 Type2 25 mm diameter electrode
粘着力 Adhesive strength	10N/幅 25mm 以上 (初期)	10 N/width of 25 mm or more	180°ピール 被着体 SUS 1 日後 180° peel test from SUS (one day later)
難燃性 Flame retardance	UL94VTM-0	UL94 VTM-0	
使用温度範囲 Operating temperature	-40°C ~ 105°C	-40°C to 105°C	