



SCHEDA TECNICA B45410

General Description

50 micron Kapton® polyimide film coated on one side with high quality pressure sensitive silicone adhesive. Designed for high temperature electrical applications where outstanding dielectrical and mechanical properties are required. Nuclear radiations resistant.

Features

- Very high temperature resistance
- Flame retardant UL 510
- Good chemical and solvent resistance

Applications

- Insulation of bobbins, transformers, motors, capacitors, wire harnesses
- Printed circuit board assembly

Technical Data

| Property | Value |
|-----------------------------------|---------------------|
| Product Type | Single coated |
| Backing Type | Kapton® film |
| Adhesive Type | Silicone |
| Color | Brown |
| Backing Thickness | 0,05 mm |
| Total Thickness | 0,085 mm |
| Peel Adhesion at 180° On Steel | 2.50 N/cm |
| Tensile Strength | 75.00 N/cm |
| Rolling Ball Tack | < 10 cm |
| Elongation at Break | 35% |
| Breakdown Voltage | 10.00 kV |
| Thermal Class | 180 (H) |
| Short Time Temperature Resistance | 260 °C |
| Flame Retardancy | Yes (UL 510) |
| Electrolytic Corrosion | 1 |
| Approvals | UL file No. E178430 |
| Shelf Life | 18 months |
| Standard Length | 33 m |
| Standard Width | 660 mm |



* International harmonized test methods: ASTM D-1000, PSTC, EN 60454-2.