Scapa C556

Polyimide Silicone Adhesive Tape

DESCRIPTION

Scapa C556 is a 25µm polyimide film with a cured silicone adhesive system, with 69 µm total thickness. Recommended for a variety of high temperature protection and electrical insulation applications (180°C thermal class H).

APPLICATIONS

- Masking PCB gold fingers and protecting plug-in connectors and switches during wave soldering.
- High temperature masking.
- Bundling and fixing components exposed to high temperatures.
- For electrical insulation of coils, transformers, wires and cables for class H (180°C) applications.

PRODUCT BENEFITS

- Good resistance to most alcohols, esters, ketones and oils.
- Removes cleanly and in one piece after being exposed to high temperatures.
- High strength backing provides superior puncture, tear and abrasion resistance.
- Resistant to chemical attack.
- Excellent thin electrical insulation.
- Flame retardant.
- Service temperature: 180°C continuous – Thermal Class H.
- Resists baking temperatures up to 260°C for up to 20 minutes.

TECHNICAL PROPERTIES

Technical Property	Nominal Value	Unit	Test Method
Adhesive Thickness	0.043	mm	-
Carrier Thickness	0.025	mm	-
Dielectric Strength	6.8	kV	-
Elongation at Break	60	%	PSTC 02
Peel Adhesion	6.8	(N/25mm)	PSTC 01
Tensile Strength	132	(N/25mm)	PSTC 02
Total Thickness	0.069	mm	-

STANDARD PRESENTATIONS

- Colours: Amber
- Core: 76mm plastic core
- Packaging: Flow pack with label or plastic bag
- Roll Length: 33 metres
- Roll Width: 6, 9, 12, 15, 19, 25, 30, 38, 50, 75 and 100mm

RECOMMENDATIONS

The rolls should be stored flat on their cut edges in the original packaging. The product must be protected from dust, heat, moisture, direct sunlight and solvent fumes. Storage temperature between +10°C and +30°C. Under these conditions, the storage life of the tape in a temperature climate will be at least one year.

Surfaces should be clean, dry and free of dust, grease, oil or other contaminants. Adhesive performance should be carefully checked when used on substrates containing plasticisiers.