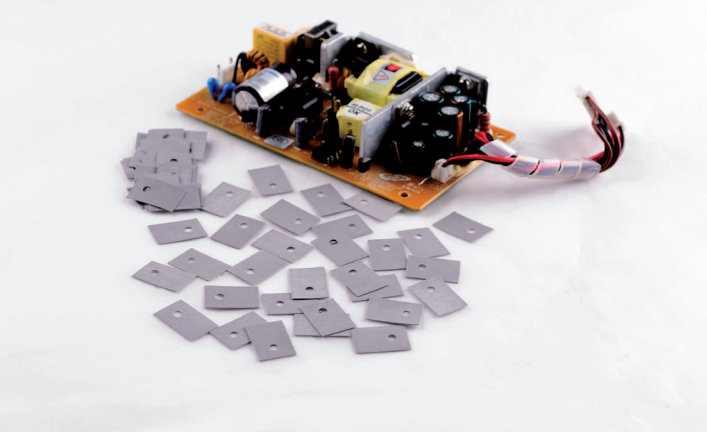
Tecnite®

innovative solutions

THERMAL PAD - DTI90S

Features

- Thermal conductivity: 1.6 W/mK
- Resistant to tears and punctures
- Cost effective solution
- High dielectric breakdown of up to 5.0 kV/mm
- Custom die-cut parts: custom configurations available



Underwriters Laboratories

Applications

- Electrical power generators
- Switching mode power supplies
- Singal amplifiers
- Medical equipment
- PC server/workstations
- AC/DC power converters

TECNITE DTI90S

Properties	Unit	DTI90S	Test Method
Composition		silicone & fiberglas	
Colour		Brown red	
Thickness range	mm	0.23 (±0.3)	
Hardness	Shore A	75 (±5)	ASTM D2240
Density	g/ml	2.5	ASTM D792
Elongation	%	-	ASTM D412
Temperature range	°C	-40 to 150	EN344
Breakdown voltage	kV/mm	≥5.0	ASTM D149
Volume impedance	ohm*cm	$1.7*10^{16}$	ASTM D257
Weight damnify	%	≥1	@ 150 °C 240H
Thermal conductivity	W/mK	1.6	ASTM E1461
Thermal impedance	°C-in²/W	0.663 @ 10 psi 0.620 @ 25 psi 0.568 @ 50 psi 0.526 @ 100 psi	
Compliances		UL 94 V-0	
Sheet sizes		Standard: Die-cut rolls: width: 300 mm * length: 50 m	
Custom configurations		Custom die-cut parts available. Available with acrylic PSA tape for improved application on one or both sides: • 3M Double Coated Tape 9448HK (will make the pad 0.15 mm thicker on both sides) • 3M Transfer Tape 3M467 (will make the pad 0.06 mm thicker on both sides)	

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