

Technical specification

T-gard K52-2

Description High dielectric strength. Resistant to tears and cut through. Total thermal resistance. K52-2 has the best balance of thermal, dielectric and cut through performance. Application use are e.g. audio amps, power modules and switching mode power supplies.

Properties	Unit	Value	Test method
Dielectric with Stand Voltage, 50 mm probe for 30 sec	VAC	6,000	ASTM D149
Dielectric breakdown voltage, 50 mm probe	VAC	7,800	ASTM D149
Volume resistivity		4 x 10 E14	ASTM D257
Dielectric constant at 1 MHz		1,8	ASTM D257
Total thermal resistance at:			
69 kPa	°C-cm ² /watt	0,90	
138 kPa	°C-cm ² /watt	0,90	
345 kPa	°C-cm ² /watt	0,84	
689 kPa	°C-cm ² /watt	0,84	
1379 kPa	°C-cm ² /watt	0,84	
2758 kPa	°C-cm ² /watt	0,84	
Composite Thickness	Mm	0,076	ASTM D374
MT Kapton® Thickness	Mm	0,051	ASTM D374
Elongation MD	%	80	ASTM D412
Tensile strength	Kpsi , mPa	18 , 124	ASTM D412
Operating temperature range	°C	-60 – 150	
Colour		Light Amber	

This specification is given by our best knowledge and might be submitted to changes.