

Thermally Conductive Insulator EU-INS5W



EU-INS5W is a thermally conductive and electrically insulating silicone pad. It's clean, production friendly and efficient alternative to mica, ceramics or grease and will provide superb protection against damage due to deformation, shock or vibration. Due to its high thermal and electrical performances it's used in applications which require the lowest thermal resistance and highest dielectric strength.

EU-INS5W is certified to UL 94V0 flammability rating.





SPECIFIC PRODUCT CHARACTERISTICS:

Features&Benefits	Configurations	Typical application
<ul style="list-style-type: none"> • Thermal conductivity 5,0 W/mK • Dielectric strength 6000 V • Fiberglass reinforced 	<ul style="list-style-type: none"> • Sheet 150x150mm • Die cut parts • Adhesive on one side (suffix "-1") 	<ul style="list-style-type: none"> • Automotive motor controls • Switching mode power supplies • Stamped aluminium heat sinks • General high pressure interface

PRODUCT PROPERTIES:

	Properties	EU-INS5W	Unit	Test Method
<i>Physical</i>	Colour	White	Visual	-
	Composition	Boron nitride filled silicone with fiberglass reinforcement	-	-
	Thickness	0,25 / 0,50 / 0,76 +/- 0.05	mm	ASTM D374
	Operating Temperature range	-55/ +190	° C	-
	Hardness	80 +/-0,5	Shore A	ASTM D2240
<i>Electrical</i>	Voltage Breakdown	6000	VAC	ASTM D149
<i>Thermal</i>	Thermal Conductivity	5	W/mK	ASTM D5470
<i>Regulatory</i>	Flammability Rating	V-0	-	UL94
	ROHS Compliant	Yes	-	LAB Certification

CUSTOMIZATIONS:

Cut to lenght	Water Jet Cut	Plotter Cut	Adhesivation
			

Our customer are reminded that they bear the responsibility for testing Euro Technologies, Srl materials for their proposed use. Due to various application possibilities and conditions which are beyond our control, customers should carry out their own tests to determine the suitability for individual applications.

We reserve the right to change technical specifications without notice and take no responsibility for errors and misprints.