

Preliminary Productinformation VITOCRYL TL 025

Discription	VITOCRYL TL 025 is a double-sided self-adhesive mounting tape made of thermal conducting acrylic foam. The tape has been developed for the electronic industry to dissipate thermal energy from components und protect them from overheating. Applications are electronic equipment like LED/PDP-modules, LED plates, TV and CPUs in Desktop- und Laptop computers.	
Characteristics and Advantages	<ul style="list-style-type: none"> • Good thermal conductivity • High loading capacity and adhesion • In comparision with other adhesive bondings there is less effort, less rework and less cleaning required. 	
Product Properties	material	acrylic foam
	colour	white
	thickness	0.25 ± 0.1 mm
	foam density	1500 kg/m ³
	adhesive	acryl
	liner	paper
Thermal and Electric Properties	thermal conductivity	0,6 W/(m·K)
	surface resistance	5,0 · 10 ¹⁴ Ω/cm
	forward resistance	2,0 · 10 ¹³ Ω/cm
	dielectric break down voltage	3,75 kV
	dielectric strength	15 kV/mm
Mechanical Properties	180° peel adhesion according to ASTM D-3330 stainless steel aluminium copper	12 N / 25 mm 8 N / 25 mm 10 N / 25 mm
	dynamic tensile adhesion T-block-test according to ASTM D-897	88 N / cm ²

	dynamic shear adhesion after 24 h according to ASTM D-1002 stainless steel aluminium copper	78 N / cm ² 49 N / cm ² 54 N / cm ²
Resistances	heat resistance short term	160 °C
	heat resistance long term	100 °C
	cold resistance	-30 °C
	UV resistance	good
Processing	The most important processing parameters and information on cleaning are listed in our Information on Processing Adhesive Tapes.	
Storage and Shelf Live	12 month after receipt of goods, when stored at 18 °C and 60 % relative humidity out of direct sunlight, in original packaging.	

Special Information

All data and technical information presented are based on laboratory tests or have been compiled from supplier information to the best of our knowledge. A guarantee that the values are complete and correct can however not be given. You are kindly requested to conduct your own tests to determine the suitability of our product for your applications. Our General Conditions answer any questions on guarantees and liabilities for these products insofar as no other legal regulations apply. 09/2012 Ru/Fi