

130-485

Technical Data Sheet



PRODUCT DESCRIPTION:	Highly Thermally Conductive RTV	DATE:	09/97
PRODUCT CODE:	TCR	PAGES:	1

PRODUCT DESCRIPTION

Electrolube TCR is a one component, low odour, high strength RTV with a very high degree of thermal conductivity. It is a 100% solids material (solvent free) with a very wide temperature range making it ideal for a wide range of uses particularly engineering applications where its non-corrosive properties are of critical importance. Electrolube TCR combines the properties of silicone rubber pads with those of a conventional heat transfer paste, and can be used as a low bond strength adhesive, sealant or gasketing compound.

PRODUCT USE

Electrolube TCR is applied between components that may overheat and heat sinks to ensure rapid heat transfer. The high bond strength allows use prior to soldering for SM components.

FEATURES

- Maximum continuous operating temperature = 230°C, Peak = 260°C
- Excellent thermal conductivity, 2.0 W/mK.
- Good electrical insulation characteristics.
- Components operate at thermal equilibrium thus ensuring uniform performance throughout the temperature range.
- Remains flexible and elastic at high temperatures.

APPLICATION

Surfaces must be clean and dry and free from grease, dust and contaminants - use Electrolube Ultrasolve (ULS) for this application. Ensure that solvents have completely evaporated before application. TCR is a moisture curing system. Therefore relative humidities above 50% are preferred for curing. The use of elevated temperatures will not increase the speed of cure and are not recommended.

TYPICAL PROPERTIES

Colour:	White
Viscosity:	Non Slump Paste
Thermal Conductivity:	2.0 W/mK
Tensile Strength:	15 Kg/cm ²
Elongation:	300%
Temperature Range :	-50°C to 260°C (Short Term), 230°C Continuous
Specific Gravity:	2.3
Skin forming rate:	5 - 20 minutes
Dielectric Strength:	>8 kV/mm
Volume Resistivity:	1 x 10 ¹⁴ Ohms-cm

PACKAGING

100 ml Tube

ORDER CODE

TCR100T

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THERMALLY CONDUCTIVE RUBBER - 75ML

Conductive Rubber Jointing Compound

- Room temperature vulcanising thermally conductive rubber
- Thermal conductivity of 2W/mK
- Wide operating range from -50°C to 230°C (peak at 260°C)
- Use as a low strength adhesive, sealant or gasketing compound



	Mtrs.		Price Each
	List No.	Order Code	
100 ML Tube	ETCR75S	130-485	

Order Code	130485		
Description	Rubber Jointing compound 100 ML Tube Volume 0.1l Maximum operating temperature		
Manufacturer	ELECTROLUBE		
Manufacturer Part Number	ETCR75S		
Datasheet			
Pack Quantity	1		
Mixed Quantity Pricing Family	0		
Catalogue Page Number (Cat no : page)	2:1293		
Pricing	Quantity	Price	
	1+	kr 430,70	
	5+	kr 408,78	
	10+	kr 388,75	
	20+	kr 373,15	
	50+	kr 358,25	

Parametric data:

No parametric data available