



# Technical Data Sheet

## TCER Highly Thermally Conductive RTV

### Product Description

Electrolube TCER is a single component, low odour RTV which cures by cross linking in the presence of atmospheric moisture. TCER is a 100% solids material (solvent free) with a high degree of thermal conductivity and a very wide temperature range making it ideal for a wide range of uses, particularly in automotive applications. Electrolube TCER 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.

Electrolube TCR GUN is a dispensing method for use with TCER75S. The pack fits inside the dispensing unit; a trigger is pulled which forces out the product. This is a very easy and accurate dispensing method for TCER75S.

Electrolube TCER is a moisture cure system, releasing ethanol upon cure. Relative humidities above 50% are preferred for curing.

Electrolube TCER can be applied around components such as capacitors and power resistors to dissipate excess heat to heat sinks thus avoiding any overheating and subsequent failures.

### Features

- Excellent operating temperature range
- High thermal conductivity
- Good electrical insulation characteristics.
- Components operate at thermal equilibrium thus ensuring uniform performance throughout the temperature range.
- Remains flexible and elastic at high temperatures.
- Good chemical resistance

Approvals	RoHS Compliant (2002/95/EC):	Yes
Properties	Colour	White
	Viscosity (Pa s)	80-90
	Thermal Conductivity (W/mK)	1.8
	Tensile Strength (MPa)	2
	Elongation at Break (%)	300
	Temperature Range (°C)	-50 to 230 (250°C Short Term)
	Specific Gravity (Density) g/ml	2.3
	Skin forming rate*	10-15 minutes
	Dielectric Strength (kV/mm):	>8
	Electrical Insulation $\Omega$ / cm:	$1 \times 10^{14}$
	Cure time (Hours @ 20°C) *	24

\* Curing rate and skin forming is dependent upon ambient conditions of temperature and humidity.

**Packing**

75ml Syringe  
Dispensing Gun for 75ml Syringe

**Order Code**

TCER75S  
TCRGUNB

**Shelf Life**

12 months  
Not Applicable

**Directions for Use**

Surfaces must be clean, dry and free from grease, dust and contaminants - use Electrolube Ultrasolve (ULS) for this application. Ensure that solvents have completely evaporated before application. TCER 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 is not recommended.

**Copyright Electrolube 2009**

All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.