



PACKAGING ADHESIVE/SEALANT
Two Part Repair Material RJLR8

RJLR8 is a two-part ambient cure adhesive, for repairing blow outs in lid seals using RJR adhesives. When mixed with the supplied curing agent, this material will adhere and seal any blow out or leak in ceramic, metal or plastic electronic components. This adhesive is available in white, black or neutral colors. RJLR8 has a 6 - 8 hours pot time. Kits are available in 2 grams.

TYPICAL PROPERTIES

Max operating temperature (continuous), °C	160-165°C
Outgassing	0.7%TML, 0.04%CVCM
Moisture absorption (24 hr. soak in water @ 100°C)	2%
Total ionic content (specific electrical conductance), mS/m	NA
Extractable Ions, ppm	NA
Hydrolysable chloride content, ppm (MIL-STD 883H Method 5011.5)	NA
Ultimate Tg by DSC, °C	146
Modulus, psi	350,000
CTE, ppm/°C	29
Dielectric constant (@ 1MHz)	3.2
Volume resistivity, Ohm-cm	3×10^{16}
Thermal conductivity, W/m-k	0.3 – 0.5

TYPICAL SEALED PACKAGE PERFORMANCE PROPERTIES

Reflow temperature, °C	NA
Lap shear strength (gold/ceramic @ 25°C), psi	NA

**These values may vary depending upon the materials to which the epoxy is adhered. All above data is based on sealed packages consisting of a ceramic header and a ceramic lid.*

SEALING AND CURING

Allow the parts to cure under ambient conditions for 24 hours before handling. Repair material may not reach full strength and properties for 5 to 7 days after application. A post cure may be used to maximize properties in a short period of time if desired. Post cure; 1 hour at 160°C after the repair material has gelled. For alternate curing practices or automated sealing procedures, please consult RJR Technologies Customer Service. (Phone # 510-638-5901 or FAX # 510-638-5958)

STORAGE AND HANDLING

Keep parts with the material in vacuum sealed bag with dry-packs at 3-8°C and <50% RH. Shelf life of the material when stored under refrigerated conditions (3-8°C) is 6 months from the date of manufacture. Room temperature and frozen storage conditions may be appropriate for some applications. Please consult RJR Technologies Customer Service for specific storage options.

REGULATORY

This product is RoHS compliant.

NOTICE

This data is provided for guideline purposes. No warranty is made on the actual use. Customers should perform their own tests and qualifications.