

Thermal Conductive Epoxy Gap Filler

DESCRIPTION

Resoltech 8080/8086 is a two components epoxy gap filler specially formulated for battery packs thermal conductive applications.

KEY POINTS

- High bulk thermal conductivity
- Adapted rheology for cartridges or 2K machines at 50°C
- Glass transition temperature >60°C
- Open time > 10 minutes (at 50°C)
- Solvent free and CMR free formulations

APPLICATION

- Cartridges or 2k dispensing machines
- High thermal conductivity demanding applications
- Electric cars battery pack

TRANSPORT & STORAGE

Keep containers sealed and away from heat and cold preferably between 10°C and 30°C in a well ventilated area. Our products are guaranteed in their original packaging (check expiry date on the label).

TECHNICAL DATA

System	8080/8086
Mixing ratio (volume)	3/1
Resin aspect	light grey paste
Hardener aspect	light grey paste
Mix density	2.0
Mix viscosity (mPa.s) at 50°C *	30 990
Gel time on a 1mm film **	50 min
Maximum T _g ***	63°C
Bulk thermal conductivity****	2-2.5 W/mK

- * Rheometer, 10 s-1, plate 35mm geometry, gap = 1 mm
- ** Rheometer, products preheated at 50°C, gel time measured at 23°C, tangent method
- *** DSC measurement, 10°C/min, 2nd run, inflexion point
- **** ASTM D5470-12

HEALTH & SAFETY

Skin contact must be avoided by wearing protective nitrile gloves & overalls or other protective clothing. Eye protection should be worn to avoid risk of resin, hardener, solvent or dust entering the eyes. If this occurs flush the eye with water for 15 minutes, holding the eyelid open, and seek medical attention. Ensure adequate ventilation in work areas. Respiratory protection should be worn with ABEKP coded filters. Resoltech issues full Material Safety Data Sheet for all hazardous products. Please ensure that you have the correct MSDS to hand for the materials you are using before commencing work.

! The data provided in this document is the result of tests and is believed to be accurate. We do not accept any responsibility over the mishandling of these products and our liability is limited strictly to the value of the products we manufacture and supply.