

Typical applications

- Thermally conductive bonding of module structures for new energy vehicles
- Thermally conductive bonding for the electronics industry

Properties before curing

	Typical value	Range
Appearance	Part A: Grayish-black paste Part B: Yellowish paste	
Chemical composition	Part A: Polyol Part B: Isocyanate	
Mixing ratio	1:1	±10%
Density (g/cm ³)	Part A: 1.72 Part B: 1.94	1.80±0.1 1.90±0.1
Viscosity (mPa·s)		
Brookfield RVT	Part A: 100000	100000±20000
7# rotor, 20rpm	Part B: 110000	120000±24000

Properties after curing

State after mixing	Grayish paste	
Operating time (23°C)	25	20-40
Thermal conductivity (W/m·K)	1.24	> 1.2
Hardness (D)	68	65±10
Tensile strength Mpa	6.8	≥5.0
Elongation at break (%)	35	> 20
Shear strength - Al/Al Mpa		
23±2°C*7d	8.5	≥6.0
Environmental requirements	REACH Certification and RoHS2.0 Directive	
Working temperature (°C)		-40-80

Directions for use

- Clean-up: Clean up the surface to be bonded, making it clean and dry. For surfaces with low surface energy, it is recommended to use Huitian special cleaners;
- Gluing: Use glue gun or other application tools to apply the glue. The product can be used after the not well mixed part at the front end is removed by applying contact pressure and the two components are visually inspected to be well mixed;
- Curing: Room temperature curing or heat curing.

Cautions

- Unused glue shall be immediately sealed to avoid moisture absorption.
- Keep away from children for storage.
- The product contains isocyanates and irritates the skin and eyes. It is recommended to use the product in a well-ventilated place.
- If eyes or skin is accidentally exposed to the product, rinse immediately with water.
- Please consult the MSDS of the product for safety information.

Storage

Store at 15-28°C in a cool and dry place.
Shelf life is 6 months.

Packing specification

Specification	Order code
400 ml/cartridge	8658G2
30 kg/barrel	8658GA6
33 kg/barrel	8658GB6
207 kg/barrel	8658GA9
233 kg/barrel	8658GB9

Waste disposal

If not polluted by other substances, the waste can be stacked in landfill in principle and will not pollute water quality. The waste can be disposed of in a waste incineration plant. It is necessary to abide by the environmental regulations of the local government.

Health and safety information

Before operating this product, it is necessary to get familiar with its hazards, proper use and disposal, and other relevant information. The following information may be useful: Material Safety Data Sheets (MSDS) and product classification marks. For more detailed information, contact your sales representative or technical service representative.

Note:
The data in this document were obtained under laboratory conditions. Due to differences in the operating environment, the user can refer to these data and operating conditions for analysis and testing. Huitian does not guarantee the sale of products or the use of the products under specific working conditions and does not accept any liability for direct, indirect or incidental damage. If users encounter any problems in the process of use, please contact the technical service department of Huitian New Material and all assistance will be provided.