

1527B Microwave Oven Sealant

Nov. 2019

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

White, low viscosity, low odor and good workability. Cures at room temperature when exposed to moisture. Excellent flexibility, adhesive property, electrical insulation, weather resistance, aging resistance and thermal cycle resistance.

TYPICAL APPLICATIONS

- Electrical insulation
- Protects leads from mechanical shock
- Bond the sealing surface
- used in microwave ovens

UNCURED PROPERTIES

Base ResinPoly(dimethyl)siloxane
 ColorWhite
 Viscosity (cps @ 23°C)70000~100000
 Cure Speed(Tack Free Time/Full)
10~35min/24h(≥2mm)
 Specific Gravity(g/cm³ @ 23°C).....1.10

Cured Specifications: Cure speed will vary with temperature, relative humidity, depth of material and presence of moisture.

CURED PROPERTIES

Measured on cured sheets ~2mm. Cured @ 23±2°C, 50±5%RH for 7 days, tested at 23±2°C.

Operating Temperature Range (°C).....-54 to 210
 Hardness (Shore A) (GB/T 531)33
 Elongation at break (%) (GB/T 528).....180
 Tensile Strength (MPa) (GB/T 528).....1.5
 Shear Strength (MPa) (GB/T 7124)1.5

Heat aging property(heat aging at 175°C for 168h)

Elongation at break (%) (GB/T 528).....180
 Tensile Strength (MPa) (GB/T 528).....1.5

Electrical Properties

Volume resistivity(Ω cm) (GB/T 1692)2.0×10¹⁵

APPLICATION METHOD

- a) For best result, clean and dry the surfaces.
- b) Using professional machine to apply.

- c) Apply a continuous and even bead of silicon to one surface, surround all bolt holes. The diameter of the nozzle is 1.5mm~6.5mm.
- d) Assemble parts immediately. Remove excess with knife at once.

STORAGE AND SHELF LIFE

Product shall be ideally store in a cool, dry area in unopened containers.

CAUTION

- a) Allow adequate ventilation when using.
- b) Avoid prolonged skin contact.
- c) In case of eye contact, flush with water and seek medical attention.
- d) This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.
- e) Keep away from children.

For complete safety and handling information, please refer to the appropriate Material Safety Data Sheets prior to using this product.

For technical assistance, please call +86-10-88795588.

ORDERING INFORMATION

Stock No.	Unit Size
15270905	18kg

Note

The data provided herein are typical values for the purpose of technical reference only, should not be considered as the product specification or acceptance standard. All the information is believed by Tonsan Adhesive Inc. ("Tonsan") to be accurate and reliable, but due to the differences in the application conditions, substrate surfaces and/or curing conditions, Tonsan strongly recommends that the user should perform necessary tests before any purchase or practice, to determine the suitability of our product for the intended use. Furthermore, the storage and shipping conditions could also affect the stability, physical and mechanical properties of the product. Tonsan will not assume the responsibility for the results obtained by the user or any third parties, from the methods out of Tonsan's control.