

HumiSeal[®] 2A13 Polyurethane Technical Data Sheet

HumiSeal 2A13 is a two-part polyurethane encapsulant designed to provide protection to electrical and electronic assemblies. The low viscosity and simple 1:1 mix ratio of HumiSeal 2A13 make it easy to use. The material cures at room temperature to a low stress encapsulant and provides protection to thermal shock and vibration.

APPLICATIONS

- Electronic Sealing
- Electronic Encapsulation

FEATURES

- Simple Mix Ratio
- Low stress

SUBSTRATES

- Glass
- Ceramic
- Metals
- Plastics

Properties of HumiSeal[®] 2A13 Liquids

Chemical Class	Polyurethane
Color (Part A / Part B)	Cloudy / Clear
Viscosity Part A (cps)	7,500 – 12,000
Viscosity Part B (cps)	5,000 -8,000
Specific Gravity at 25°C (Part A / Part B)	1.00 / 0.95
Mix Ratios (A:B)	1:1
Work Life, @ 25°C, minutes	20
Curing Conditions	24h @ Room Temp. 1h @ 65 °C

Properties of Cured HumiSeal[®] 2A13

Color (cured)	Clear
Hardness, Shore D	31
Tensile Strength (PSI)	>1000
Lap Shear Adhesion (aluminum, PSI)	1200
Operating Temperature Range	-50°C to 125°C
Dielectric Strength, volts/mil	> 400

Storage

HumiSeal[®] 2A13 Part A and 2A13 Part B should be stored between 8 °C and 28 °C in tightly closed containers. Keep from freezing. The unprocessed materials are sensitive to water. Shelf Life, stored at 18 +/-10 °C, is 12 months.

Caution

Application of HumiSeal[®] 2A13 should be carried out in accordance with local and national health and safety regulations. Use only in well-ventilated areas to avoid inhalation of vapor. Avoid contact with skin and eyes.

Consult SDS prior to use.

Contact HumiSeal®

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