

HumiSeal[®] 2A14-U Polyurethane Technical Data Sheet

HumiSeal 2A14-U is a high-performance urethane used for potting and encapsulation applications. The product has a simple 1:2 mix ratio. This fast setting potting material and encapsulant cures to a tough, moisture resistant and flexible polymer. HumiSeal 2A14-U is suitable for applications where resistance to thermal and mechanical shock is required.

APPLICATIONS

- Automotive
- Automotive Assembly
- Electronic Assembly

FEATURES

- Fast Setting
- Room Temperature Cure
- ROHS Compliant

SUBSTRATES

- Glass
- PVC
- Metals
- Plastics

Properties of HumiSeal[®] 2A14-U Liquids

Chemical Class	Polyurethane
Color (Part A / Part B)	Cloudy / Blue
Viscosity Part A (cps)	800 – 3,000
Viscosity Part B (cps)	2,000 -3,000
Specific Gravity at 25°C (Part A / Part B)	1.22/ 0.94
Mix Ratio, PBV, A:B	1:2
Work, minutes	10-12
Handling Time, minutes	20
Curing Conditions	24h @ Room Temp.
Cleanup Solvent	Isopropyl alcohol
Hardness, Shore D	39
Color (cured)	Blue
Glass Transition Temperature (Tg)	-65 °C
Tensile Strength (PSI)	1300
Elongation at Break (%)	75
Lap Shear Adhesion (aluminum, PSI)	>1500
Operating Temperature Range	-40°C to 125°C

Storage

HumiSeal[®] 2A14-U Part A and 2A14-U Part B should be stored between 8°C and 28°C in tightly closed containers away from direct sunlight. Keep from freezing. The unprocessed materials are sensitive to moisture.

Shelf Life, stored at 18 +/-10 °C, is 12 months.

Caution

Application of HumiSeal[®] 2A14-U 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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