

HumiSeal® 2A15-B Encapsulant Technical Data Sheet

HumiSeal® 2A15-B is a two-part 1:2 mix ratio, polyurethane for high performance potting and encapsulation applications. HumiSeal® 2A15-B is a tough flexible polymer for the protection of electronics when exposed to thermal shock and vibration.

APPLICATIONS	FEATURES	SUBSTRATES
Electronics Potting Electronics Encapsulation	Room temperature cure Moisture resistant Physical shock resistant	Metal Glass Plastics Ceramics

Properties of HumiSeal® 2A15-B

Specific Gravity Part A at 25°C	1.21
Specific Gravity Part B at 25°C	0.95
Viscosity Part A (cps)	470 – 700
Viscosity Part B (cps)	1,700 – 2,000
Mix Ratio, PBV, A:B	1:2
Appearance	Black
Working Life (min)	12
Handling Time (min)	25
Recommended Curing	24hrs @ RT 2hrs @ 65°C
Hardness (Shore D)	39
Dielectric Strength (V/mil)	400
Elongation (%)	200
Tensile Strength (psi)	> 1,000
Operating Temperature Range	-40 to 125°C

Storage

HumiSeal® 2A15-B should be stored between 10 °C and 28 °C in tightly closed containers away from direct sunlight and light sources. Material is moisture sensitive. Shelf Life, stored at 18 +/-10 °C, is 12 months from DOM.

Caution

Application of HumiSeal® 2A15-B 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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