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♦ TECHNICAL BULLETIN ♦ TECHNICAL BULLETIN ♦ TECHNICAL BULLETIN ♦

EPOXY RESIN RBC #557

DESCRIPTION

RBC # 557 A and B is a two component, unfilled, low viscosity, semi flexible epoxy elastomer system suitable for potting and encapsulation.

The cured system has excellent moisture resistance, electrical properties, and thermal shock resistance. The fast setting characteristics of this system make it ideal for automatic mixing and dispensing.

PRODUCT SPECIFICATIONS

	Part A	Part B
Brookfield Viscosity @ 25 deg, cps	350 +/-150	1900 +/-150
Specific Gravity @ 25 deg C	1.13	1.00
Appearance	Black, Grey, Clear	Amber liquid

TYPICAL CURED PROPERTIES

Color	Transparent Clear, Black or Grey
Hardness, Shore A	65 A
Specific Gravity @ 25 deg C, mixed	1.03
Tensile Strength, psi	1050
Elongation, %	120
Water Absorbtion @ 25 deg C (24 hrs., 21 days)	0.4
Operating Temperature, deg C	-50 to 150 deg C
Arc Resistance, sec	100
Dielectric Constant @ 25 deg C (100Hz/1MHz)	5.75/3.62
Dielectric Strength, vpm (1/16")	650
Dissipation Factor @ 25 deg C (100Hz/2MHz)	.122/.039
Volume Resistivity @ 25 deg C. ohm-cm	3 X 10 (13)
Surface Resistivity @ 25 deg C ohm	1 X 10 (13)

HANDLING PROPERTIES

Mix Ratio: Part A: 100 parts by weight or 1.0 part by volume

Part B: 85 parts by weight or 1.0 part by volume

Initial mixed Viscosity @ 25 deg C, cps..... 1200 cps +/- 100

Pot Life @ 25 deg C..... 30-40 minutes (25 gram mass)

Recommended Cure:

@ 25 deg. C..... 24 hours

@ 60 deg. C..... 1 hour

SPECIFICATIONS:

All technical information and data on this sheet are for comparison purposes only. Actual values may differ due to circumstances beyond our control. Keep product tightly sealed and away from light. Keep away from skin.