

# 500°F-800°F DURASEAL<sup>+</sup> SILICONES

## Odor Free Room Temp. Curing Adhesives and Molding Compounds

### Duraseal Non-Sag Putties

- One component formulations.
- No mixing, measuring or mess.
- No harsh or acidic odors.
- Bonds to metals, glass, ceramics, plastics, etc.
- No special activators or primers.
- Will not corrode metal surfaces.
- Resistant to electricity, most chemicals and solvents.
- Safe for the most delicate electronic components.

### Duraseal 1531 For Continuous use to 650°F

- Seals pipes, flanges, stacks and high temp. equipment.
- No special surface pre-treatments are necessary. Adheres to most metals, glass, ceramics, plastics, etc.
- Fills in voids, forms flexible gaskets and repairs.
- Provides a long lasting flexible seal, use from - 80°F to 650°F.

**Applications include:** high temperature sealing, gasket forming, vibration isolation, etc.

### Duraseal 1532 For Continuous use to 500°F

- A clear thin putty with excellent spreadability.
- Excellent electrical insulation properties allow for a host of applications in cables splicing, electrical isolation, repair, potting, etc.
- Ideal for high temperature adhesive, electronic, waterproofing, sealing, impregnating, coating or vibration dampening application.

#### Users Report:

- Duraseal+ 1532 provides high dielectric insulation and moisture proofs cable splices in field assembly joints.
- A thin clear layer of 1532 moisture-proofs porous ceramics, improving the electrical resistance for use up to 500°F.

### Duraseal 1533 - 5 Minute Casting Compound

New, Unique Duraseal 1533 flows into the finest cracks and crevices to form stress free bonds, coatings and encapsulations.

Easy to use 1 to 1 mix ratio.

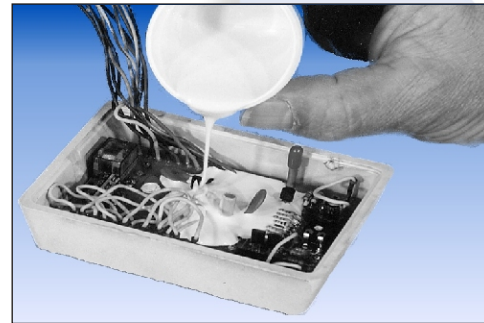
Just mix and pour. No need for difficult degassing procedures.

Duraseal 1533 will cure in 5-15 minutes at room temp.

1533 can be used from -70 to +550°F and offers flexibility, excellent mechanical properties and resistance to chemicals, solvents and moisture.

Meets stringent UL 94V-0 flame retardant requirements.

**Applications include** producing finely detailed molds, encapsulating electronic components, forming flexible parts and stress free potting.



Duraseal 1533 Flows into the Finest Details

Product	1531	1532	1533
<b>Max Use Temp. °F</b>	<b>800</b>	<b>650</b>	<b>550</b>
Continuous Service Temp. °F	650	500	500
Composition	Silicone	Silicone	Silicone
Viscosity	Putty	Putty	2,900 cps
Toxicity	Low	Low	Low
Density (# / ft <sup>3</sup> )	80	60	74
Elongation (%)	250	450	135
Hardness Shore	A31	A18	A20
Tensile Strength (psi)	275	225	580
Specific Heat (BTU/# °F)	0.35	0.35	0.35
Dielectric Constant (@ 10 <sup>8</sup> cps)	3.9	3.9	3.9
Volume Resistivity (ohm-cm)	10 <sup>11</sup>	10 <sup>11</sup>	10 <sup>15</sup>
Dielectric Strength (volts/mil.)	500	550	500
Thermal Conductivity* (@ 500 °F)	2.0	1.2	1.5
Solids Content (%)	98	98.5	100
Shrinkage (%)	1	1.4	0.5
Shelf Life (months)	6-9	6-9	9
Tack Free Time (min.)	30	25	5
Full Cure Time (hrs. - 1/4" Bead)	24	24	15 (min)
Color	Gold	Clear	Green

Duraseal 1531-1. . . . 3 oz. Dispenser Tube

Duraseal 1531-2. . . . 11 oz. Caulking Cartridge

Case Pack . . . . . 12-11 oz. Caulking Cartridges

Duraseal 1532-1. . . . 3 oz. Dispenser Tube

Duraseal 1532-2 . . 11 oz. Caulking Cartridge

Case Pack. . . . 12- 11 oz. Caulking Cartridges

Duraseal 1533 - 1 . . . 1 Pound Kit

Duraseal 1533 -2 . . . 4 Pack - 50cc Twin Packs