

# 500°F-800°F DURASEAL™+ 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 - 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.

#### Users Report:

- Cotronics' designed custom packages of Duraseal 1531 to be used with field installation kits. The specially sized tubes saved suppliers time and money while providing their customers a simple method to assemble parts.

### Duraseal™ 1532 - Continuous use to 500°F

- A clear thin putty with excellent spreading ability.
- Excellent electrical insulation properties allow for a host of applications in cables splicing, electrical isolation, repair, potting, etc.
- Ideal for use as 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 Duraseal 1532 moisture-proofs porous ceramics, improving the electrical resistance and providing 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.

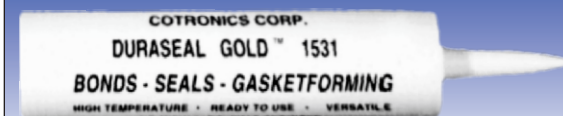
Easy to use 1 to 1 mix ratio. Difficult degassing procedures are not necessary. Just mix and pour.

Casting will be tack free in 5 minutes and completely cured in 15-30 minutes.

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

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

### Easy to use Flexible Putty



Duraseal™ 1533 Flows into the Finest Details

Product	1531	1532	1533
<b>Max Intermittent Temp.</b>	<b>800°F</b>	<b>650°F</b>	<b>550°F</b>
Continuous Service Temp.	650°F	500°F	500°F
Composition	Silicone	Silicone	Silicone
Mixed Viscosity (cps)	Putty	Putty	2,900
Toxicity	Low	Low	Low
Mixed Density (#/ft <sup>3</sup> )	62.3	60	74
Elongation (%)	250	450	135
Hardness (Shore A)	31	18	20
Tensile Strength (psi)	275	225	580
Specific Heat (BTU/# °F)	0.35	0.35	0.35
Dielectric Constant (@ 10 <sup>8</sup> cps)	3.90	3.90	3.90
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)	2.00	1.20	1.50
Solids Content (%)	98	98.5	100
Shrinkage (%)	1.00	1.40	0.50
Shelf Life (months)	6	6	6
Tack Free Time (min.)	30	25	5
Full Cure Time (hrs. ¼" Bead)	24	24	15-30 (min)
Color	Gold	Clear	Green

\*(BTU-in/Hr. Ft<sup>2</sup>F)

Cat. No.	Description	Price
Duraseal 1531-1.....	3 oz. Dispenser Tube .....	25.17
Duraseal 1531-2.....	11 oz. Caulking Cartridge .....	52.44
1531-2CP.....	Twelve-11 oz. Caulking Cartridges .....	541.61
Duraseal 1532-1.....	3 oz. Dispenser Tube .....	22.29
Duraseal 1532-2.....	11 oz. Caulking Cartridge .....	42.38
1532-2CP.....	Twelve-11 oz. Caulking Cartridges .....	457.69
Duraseal 1533-1.....	1 Pound Kit .....	124.01
Duraseal 1533-2.....	4 Pack - 50 cc Twin Packs .....	118.24

Shelf life of twin pack is 3 months  
(as shown on page 18)