

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.

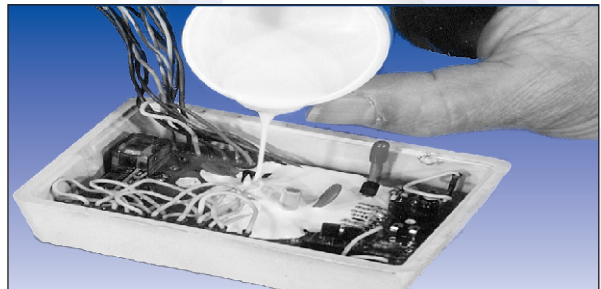
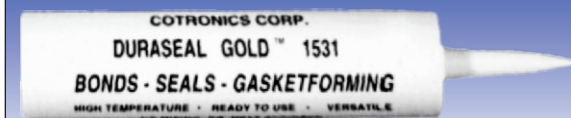
Casting will be tack free in 5 minutes and completely cured in 15-30 minutes.

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

Meets stringent UL 94V-0 flame retardant requirements.

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
Max Intermittent Temp.	800°F	650°F	550°F
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 ³)	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 ⁸ cps)	3.90	3.90	3.90
Volume Resistivity (ohm-cm)	10 ¹¹	10 ¹¹	10 ¹⁵
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. Ft²°F)

Cat. No.

Description

Duraseal 1531-1..... 3 oz. Dispenser Tube
Duraseal 1531-2..... 11 oz. Caulking Cartridge
1531-2CP..... Twelve-11 oz. Caulking Cartridges
Duraseal 1532-1..... 3 oz. Dispenser Tube
Duraseal 1532-2..... 11 oz. Caulking Cartridge
1532-2CP..... Twelve-11 oz. Caulking Cartridges
Duraseal 1533-1..... 1 Pound Kit
Duraseal 1533-2..... 4 Pack - 50 cc Twin Packs

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