

500°F ROOM TEMP CURING, LOW VISCOSITY EPOXY

Bonds, Coats, Seals and Protects

500°F - Duralco™ 4461

Ultra Thin Bond Lines

Seals Porous Materials

Impregnates Fine Structures

Forms Protective Coatings

Duralco Low Viscosity Adhesives are formulated with Cotronics' unique polymer system to provide the ultimate in high temperature chemical, electrical and moisture resistance.

They are user friendly, 100% solid formulations.

No volatiles. No VOC's. No harsh odors.

Duralco 4461 is a free flowing, liquid adhesive that is ideal for forming ultra thin bond lines, impregnating, coating and encapsulating applications.

Has excellent adhesion to metals, plastics, ceramics, glass, etc.

Cures at room temperature to provide chemical, solvent and corrosion resistance in any high temp. application.

Can be used up to 500°F as a protective coating for coils, filament windings, electronics, etc.

It is an ideal choice for high temperature applications in electronics, optics, instrumentation, etc.

Users Report:

- Fiber Optic Cables consisting of 3,000 glass strands were encapsulated, and bonded, with 4461 in a 1/8" stainless steel tube. The low viscosity of 4461 enabled full penetration in and around the fiber stands.
- 4461 Bonds optical components and protects them from moisture absorption and transmission.
- 4461 Pots a transformer for high temperature service.

Availability:

Cat No.	Description	Temp.	Price
Duralco 4461-1	Pint Kit.	500 °F.	104.95
Duralco 4461-2	Gallon Kit	500 °F.	348.18
Duralco 4461IP-1	Pint Kit.	500°F	99.70
Duralco 4461IP-2	Gallon Kit	500°F	345.19

4461SS, New, Slow Setting Version

Ideal for large volume potting and casting applications.

Duralco 4461SS-1	Pint Trial Kit	500 °F.	104.95
Duralco 4461SS-2	Gallon Kit	500 °F.	408.19

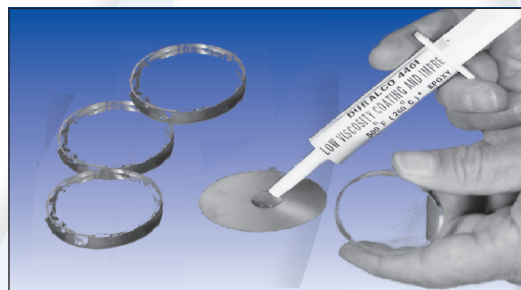
Pre-Measured Kits

Each Unit Contains: 1 jar of resin, 1 syringe of hardener and 1 mixing stick. (See page 19 for details)

EE 4461-10	10 Epox-Eez 10 gm units/box.	90.50
EE 4461-25	10 Epox-Eez 25 gm units/box.	100.65
EE 4461IP-10	10 Epox-Eez 10 gm units/box.	84.74
EE 4461IP-25	10 Epox-Eez 25 gm units/box.	95.35



4461 Penetrates and Encapsulates A Semi-Conductor Device



4461 Bonds an Optical Component



4461 Potting a Transformer for High Temp. Use

Duralco™	Units	4461
Maximum Temp	°F	500
Components	Color	2-Amber
Mixed Viscosity	cps	3,600
Hardness	Shore 'D'	85-95
Tensile Strength	psi	9,500
Thermal Conductivity	Btu-in/ Hr. Ft ² °F	4
Thermal Expansion	10 ⁻⁵ /°C	5.4
Dielectric Strength	volts/mil.	450
Volume Resistivity	ohm-cm	10 ¹³
Heat Distortion	°C	210
Elongation	%	5
Thermal Stability	% 1000 hrs @ 200°C	0.20
Shrinkage	% max.	0.8
Moisture Absorption	% after 30 Days	0.15
Mix Ratio	R/H	100/17
Cure	Hr. @ R. T.	16
	Min. @ 250°F	5