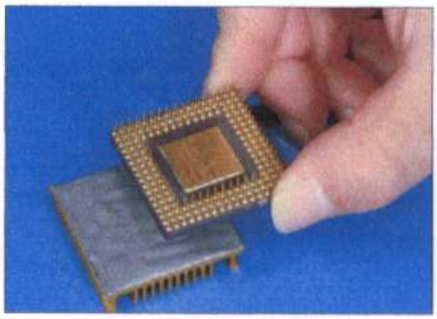
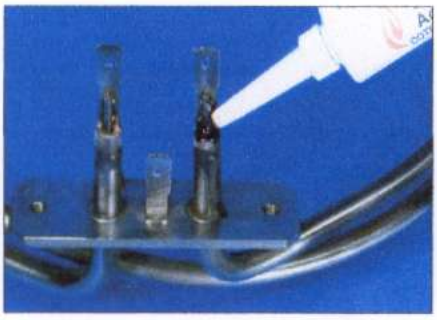
Advanced 650°F

Adhesive & Casting Compound

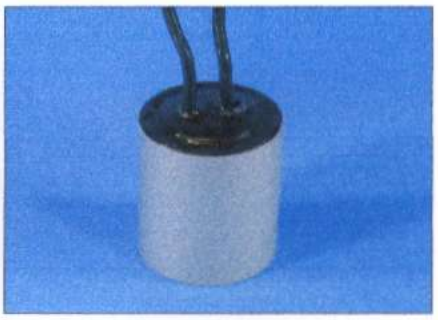
Duralco 4700HT



Bonds a Hi Power Circuit to its Heat Sink



Seals & Protects Electrical Feeds Against Moisture & High Heat



Seals and Protects Down Hole Sensors

Duralco 4700HT Advanced High Temp. Adhesive and Casting Compound Now Provides 650°F Service with additional strength, durability and low outgassing.

User friendly, No volatiles. No solvents. Simply mix the resin and hardener and cure at 250°F (minimum).

Duralco 4700HT has excellent adhesion to metals, glass, ceramics and most plastics.

Offers high electrical resistance, low moisture absorption, high temperature stability, high bond strength, low shrinkage and excellent chemical, solvent and radiation resistance.

Users Report: 4700HT seals and protects electrical feeds against high heat and moisture.

Encapsulation and insulation of sensors in severe downhole oil drilling applications, where temperatures of 400°F and pressures of 20,000psi may be encountered.

Duralco 4700HT is ideal for sealing electrical connections, high performance bonding, potting and repairing in automotive, aerospace, nuclear, chemical, production and laboratory applications.

Applications Include: Bonding high temperature components, sealing thermocouples, electrical heaters, installation of thermocouples, strain gauges and flow measuring instruments, etc.

Now Available 4461HT Low Viscosity, 4538HT Flexible, 4525HT General Purpose All with Additional Strength and Durability.

Physical Properties

Max. Use Temp.	**650°F**
Components	2
Mix Ratio (by wt.)	100 : 28
Viscosity	40,000 cps
Density	1.9 gms/cc
Hardness	95 Shore D
Tensile Strength	11,100 psi
Lap Shear ss/ss @250 °F	2600 psi
@300 °F	2700 psi
@350 °F	2500 psi
@400 °F	2100 psi
Elongation	2.5 %
Shrinkage	0.2 % max
Moisture Absorption	0.02 % (30 days @ 50°C)
Thermal Expansion	3.9×10^{-5}/°C
Thermal Conductivity	18 BTU in/hr. °F Ft.^{2}
Volume Resistivity	10^{16} ohm-cm
Cure	4 Hours @ 250 °F
	+ 1 Hours @ 350 °F
	+ 1 Hours @ 450 °F

Availability:

Cat #	Description	Price
Duralco 4700HT-1	Pint Kit	
Duralco 4700HT-2	Gallon Kit	

Available in Epox-Eez 10 gm. or 25 gm. Pre-Measured Kits