

500°F Adhesive and Electrically Resistant Epoxy for all Applications

Cotronics' Unique Catalytically Cured Duralco 4525 Low Shrinkage System, provides the highest temperature properties to be obtained with a simple room temperature cure.

Duralco 4525 provides excellent adhesion and electrical properties and has the lowest moisture absorption required for many critical electronic applications.

Duralco 4525 contains no solvents or volatiles. It is machinable and resistant to corrosion, radiation, all common chemicals and solvents.

No more complicated, costly and time consuming heat cures. Just apply and cure at room temperature.

Extensively tested and used in hydrochloric, phosphoric, sulfuric, and nitric acids, as well as in caustic and chromic oxide solutions for use in the chemical processing industries.

4525 is being used for high performance bonding, potting, sealing, coatings, repairs, castings and jigs. It is found in appliances, instrumentation, motors, equipment, etc.

Ultra Temp. 600°F Adhesive and Electrically Resistant Epoxy

The Ultimate in High Temperature Epoxy Technology.

Duralco 4700 properties are based on a unique cross linked inorganic - organic polymer.

Duralco 4700 provides excellent heat stability, moisture, chemical, solvent and electrical resistance.

4700 is a superior adhesive with high electrical resistance and High-Bond strength.

It is ideal for electronics, instrumentation, and appliance industries.

It is used for bonding, potting, repairs, molds, etc. and for applications requiring 600°F service. It is specified for bonding aerospace components providing electrical insulation from -65°F to +600°F.

Properties	4525	4700
Maximum Temp. °F	500	600
Density gm/cc	1.9	1.94
Hardness Shore D	80	94
Tensile Strength psi	10,000	11,100
Thermal Conductivity	13	13
Thermal Expansion 10 ⁻⁵ /°C	6.4	6.4
Dielectric Strength Volts/mil	500	555
Volume Resistivity ohm•cm	10 ¹⁵	10 ¹⁶
Heat Distortion	210°C	300°C
Viscosity cps	Paste	Paste
Dissipation Factor 100/kc	0.010	0.010
Dielectric Constant 100 kc	3.5	3.5
Elongation	2%	2%
Thermal Stability		
1000 hr @ 200° C	0.05%	0.02%
Shrinkage Moisture		
Absorbity 30 days @ 50°C	0.05%	0.02%
Cure	16 hr @ RT	4 hr @ 225°F & 2 hr @ 350°F



Part No.	Description	Price ea.
4525-KT	Duralco 4525 Pint Trial Kit - All purpose adhesive & electrical - room temp. cure	
4700-KT	Duralco 4700 Pint Trial Kit - Ultra Temp. potting & adhesive - high temp. cure	