

DURAPOT CERAMICS

Potting Compounds - Cure at Room Temp. - Use to 3000°F

DURAPOT	801	804	805	809	810	814	820	821
SPECIAL FEATURE								
BASE	Pure Alumina	96% Alumina	96% Alumina	MgO Base	Alumina	Zirconia Silicate	Alumina Oxide	Fused Silica
Temp Limit °F	3350	3000	3000	2800	3000	2000	2600	2500
Volume Resistivity (ohm-cm)	10 ¹⁵	10 ¹⁰	10 ¹⁰	10 ¹¹	10 ¹¹	10 ⁸	10 ¹²	10 ⁸
Dielectric Strength (volts/mil)	350	175	175	270	270	125	200	125
Thermal Expansion (10 ⁻⁶ /°F)	4.3	4	4	2.6	4.5	4.5	4	0.3
Thermal Conductivity (BTU-in /°F.Hr.Ft ²)	8	8	10	4	15	8	2	5
Chemical Resistance	Good	Good	Good	Good	Good	Good	Good	Excellent
Solvent Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Pot Life	15 min.	30 min.	30 min.	20 min.	20 min.	20 min.	10 min.	20 min.
Components	2	2	2	2	2	2	1	2
Color	White	White	White	Tan	Tan	White	Red	White
Mix Ratio Base	100 parts	100 parts	100 parts	100 parts	100 parts	100 parts	one component	100 parts
Activator	44 parts	19 parts	12 parts	13 parts	13 parts	30 parts		44 parts
Cure Cycle Time **	24 hrs. R. T.	24 hrs. R. T.	24 hrs. R. T.	24 hrs. R. T.	24 hrs. R. T.	24 hrs. R. T.	24 hrs. R. T.	24 hrs. R. T.

**NOTE: Cure may be accelerated by mild heating @ 150°F - 200°F.
Post cures @ 250°F will improve moisture resistance for 801, 808, 809, 814,821.