

DURAPOT CERAMICS

3000°F Potting Compounds

DURAPOT	801	804	805	809	810	814	820	821
SPECIAL FEATURE	Pure Alumina	Small Parts	Large Castings	High Dielectric	Thermal Cond.	Fast Cure	Dielectric Coating	Low Expansion
BASE	99% 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 Exp. (10 ⁻⁶ /°F)	4.3	4	4	2.6	4.5	4.5	4	0.3
Thermal Cond. (BTU-in /°Fhr.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 Activator	100 parts 44 parts	100 parts 19 parts	100 parts 12 parts	100 parts 13 parts	100 parts 13 parts	100 parts 30 parts	one component	100 parts 44 parts
Cure Time ** @ R. T.	24 hrs.	24 hrs.	24 hrs.	24 hrs.	24 hrs.	24 hrs.	24 hrs.	24 hrs.

**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.