

DURAPOT EPOXY POTTING COMPOUNDS

Use to **650°F**

DURAPOT	861	862	863	864	865	866	868
SPECIAL FEATURE	500°F Low Visc. Impregnant R T Cure	600°F Low Visc. High Temp.	650°F Ultra High Temp.	450°F Flexible Thermal Shock	500°F High Thermally Conductive	500°F Thermally Insulating Machinable	500°F High Temp. Flexible
Volume Resistivity (ohm-cm)	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁵	10 ¹⁵	10 ¹⁴
Dielectric Strength (Volts/mil)	525	555	555	555	700	500	500
Dielectric Constant	4.15	4.15	3.5	3.5	3.5	3.5	4.1
Dissipation Factor	0.015	0.015	0.010	0.010	0.010	0.015	0.015
Thermal Expansion (10 ⁻⁵ /°C)	3.4	3.4	2.5	3.4	2.5	2.5	3.8
Thermal Conductivity (BTU-in /°Fhr.Ft ²)	7.2	7.2	9	7	20	1.5	4
Hardness (Shore)	80-D	80-D	90-D	90-A	95-D	60-D	85-A
Chemical Resistance	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent
Solvent Resistance	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent
Viscosity (Mixed)	1000	1500	2000	11,200	10,000	10,000	800
Pot Life	30 min.	4 hours	8 hours	1 hour	1 hour	1 hour	2 -4 hours
Components	2	2	2	2	2	2	2
Color	Amber	Amber	Amber	Amber	Grey	Tan	Amber
Mix Ratio Resin	100 parts	100 parts	100 parts	100 parts	100 parts	100 parts	100 parts
Hardener	17 parts	80 parts	71 parts	120 parts	21 parts	12 parts	30 parts
Cure Cycle Time	16 hrs	4 hrs	4 hrs	24 hrs	24 hrs	24 hrs	4 hrs
Cure Temp	RT**	250°F	250°F	RT**	RT**	RT**	250°F

**NOTE: Cure may be accelerated by mild heating @ 150°F - 200°F.