

DURAPOT EPOXIES

High Performance Casting, Embedding and Encapsulating Compounds

DURAPOT	861	862	863	864	865	866	868
Max Temp.	500°F	600°F	600°F	450°F	500°F	500°F	500°F
FEATURES	Low Visc. Impregnant R.T. Cure	Low Visc. High Temp.	Ultra High Temp.	Flexible Thermal Shock	High Thermal Conductivity	Thermal Insulating Machinable	Hi-Temp Flexible Low Visc.
Volume Resistivity (ohm-cm)	10 ¹³	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁵	10 ¹⁵	10 ¹⁴
Dielectric Strength (volts / mil)	450	500	550	450	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 Exp. (10 ⁻⁵ / °C)	5.2	5.4	3.4	N/A	3.8	4.5	5.2
Therm. Cond (BTU in/hr.°Fft ²)	4	4	9	7	20	1.5	4.0
Hardness (Shore)	80-D	80-D	90-D	60-80A	95-D	60-D	60-80A
Chemical Resistivity	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent
Solvent Resistance	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent
Viscosity, Mixed	600	600	2,000	10,000	10,000	10,000	800
Pot Life (Hrs.)	30 mins.	4	8	1	1	1	2-4
Color	Amber	Amber	Amber	Tan	Grey	Tan	Amber
Components	2	2	2	2	2	2	2
Mix Ratio by Wt.	100/17	100/80	100/71	100/120	100/21	100/12	100/40
Standard Cure Temp	R. T.	250°F	250°F	R. T.	R. T.	R. T.	250°F
Time (Hrs.)	16-24	4	4	24	16-24	24	2-4
Accelerated Cure Cycle Time @ Temp. °F (25 gms)	5 mins.@ 250	60 mins.@ 350	1-2 hrs.@ 350	1-2 hrs.@ 250	10 mins.@ 250	10 mins.@ 250	60 mins.@ 350

Post cures @ 250°F will improve moisture resistance for 861, 864, 865, 866.

Pre-Measured Kits
Epoxy-Ez™ in 10 gm. and 25 gm. Units (Page 19)