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ER3250 Epoxy Casting Compound

ER3250 is a room temperature cure, flame rated, epoxy potting and encapsulation compound formulated with a low exotherm and moderate gel and cure schedules. The Shore D hardness of **ER3250** lends its use to include prototype mold making, potting and encapsulation for shock sensitive components, PC board protection and moisture proofing electronic assemblies. **ER3250** is RoHS compliant.

Typical Physical Properties:

Part A:	
Color:	Black liquid
Viscosity:	10,000 cps at 23°C
Specific Gravity:	1.45
Part B:	
Color:	Tan liquid
Viscosity:	18,000 cps
Specific Gravity:	1.58
Mix Ratio:	1 A : 1 B by volume 100 A : 108 B by weight
Shelf Life:	6 months at 70°F
Gel Time (200g mass)	75 min [full cure in 24 hours at 75°F]
Peak Exotherm at 150 gram mass:	45° C.
Glass Transition Temperature [Tg]:	45°C
Shore A Hardness:	80D
Volume Resistivity:	$2.6 \times 10^{-15} \Omega \text{ cm}$ at 25°C
Dielectric Strength at	350 V/mil

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[Typical Physical Properties: ER3250 continued]

Frequency	Dissipation Factor	Dielectric Constant
100 Hz	0.04107	2.01112
1000 Hz	0.03370	1.91064
100 kHz	0.03513	1.78418

[All values at 25°C]

Flammability Class:

UL-94 V₀ [UL File #: QMFZ2.E313258]