

PRODUCT DATA SHEET

TCE-22890, ALUMINUM OXIDE FILLED CASTING RESIN

TCE-22890 is a medium viscosity, aluminum oxide filled casting resin typically used for pouring small or large castings. It offers good thermal dissipation, excellent electrical insulation, high temperature properties, low thermal coefficient of expansion, and extremely low shrinkage during cure. It can also be used to encapsulate operational amplifiers, transformers, densely packaged circuitry, capacitor bushings, and stand offs at far lower cost than conventional mechanical attachment methods.

TECHSOURCE CATALOG NUMBERS:

TCE-22890R (Resin, Gallon)
TCE-22890H (Hardener, Quart)
TCE-22890EK (Evaluation Kit)

ELECTRICAL AND PHYSICAL PROPERTIES

Viscosity	(cps)	100,000 - 110,000
Specific Gravity		2.1
Weight Mix Ratio	(Resin:Hardener)	100:10
Working Time	(100g)	3 hours
Cure Time	(25°C)	24 hours
	(65°C)	2 hours
	(125°C)	----
Color		Black
Thermal Conductivity	(BTU/ft ² -hr-°F/in)	9.1
Tensile Strength	(psi@25°C)	9,978
Compressive Strength	(psi@25°C)	27,650
Constant Service Temperature, °C		-65 to 155