

PRODUCT DATA SHEET

TCE-22780, Aluminum Filled, Heatsink Bonding Resin

TCE-22780 is a medium viscosity, aluminum filled bonding resin typically used to assemble bonded-, folded-, or pin-fins to a heatsink base.

TECHSOURCE CATALOG NUMBERS:

TCE-22780R	(Resin, Gallon)
TCE-22780H	(Hardener, Quart)
TCE-22780EK	(EVALUATION KIT)

ELECTRICAL AND PHYSICAL PROPERTIES

Viscosity	(cps)	6,500 - 7,000
Specific Gravity		1.79
Weight Mix Ratio	(Resin:Hardener)	100:10.4
Working Time	(100g)	45 Minutes
Cure Time	(25°C)	8 Hours
	(65°C)	45 Minutes
	(125°C)	20 Minutes
Color		Aluminum
Thermal Conductivity	(W/m°C)	4.54
	(BTU/ft ² -hr-°F/in)	31.5
Tensile Strength	(psi@25°C)	8,900
Compressive Strength	(psi@25°C)	18,500
Bond Shear Strength:	Al to Al,	
1" overlap	(psi@25°)	3,600
Constant Service Temperature, °C		-70 to 195