

KYOCERA TCG1180K2

Thermoset, Unspecified
KYOCERA Chemical Corporation

Message:

Excellent Humidity Resistance, Halogen-free and Antimony-free Environmental Friendly Casting Resin (TCG1100 series)
Strong Points
Halogen-Free / Antimony-Free Type Environmental Friendly Casting Resin.
UL 94 V-0 Approved Grade for 6.4mm Layer Thickness.
Long Pot Life and Excellent Workability
Excellent Impregnation Property for parts.
Excellent Mechanical Properties and Electrical Properties.
Excellent Dampproofing Property.
Application
High Voltage Transformer and Flyback Transformer

General Information			
Features	Antimony Free		
	Environmentally Sound		
	Good Electrical Properties		
	Halogen Free		
	Humidity Resistant		
	Impregnating		
Uses	Electrical/Electronic Applications		
Processing Method	Casting		
Physical	Nominal Value	Unit	
Specific Gravity	1.72	g/cm ³	
Solution Viscosity	3700	mPa · s	
Mechanical	Nominal Value	Unit	
Flexural Modulus (25°C)	8500	MPa	
Flexural Strength (25°C)	113	MPa	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	110	°C	TMA
CLTE - Flow	4.3E-5	cm/cm/°C	TMA
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (25°C)	4.7E+15	ohms · cm	
Dielectric Strength (25°C)	> 30	kV/mm	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94

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