

SiI TRUST® TSE3664K

Silicone

Momentive Performance Materials Inc.

Message:

SiI TRUST TSE3664K is a two-component condensation cure silicone rubber designed for electric potting. TSE3664 K cures at room temperature to form an elastic flame retardant rubber and adheres various types of materials such as metal, plastics, glass and ceramics without the use of primers.

Key Features and Benefits

flame retardant: UL94V-0 recognized (File No. E56745)

low viscosity allows for excellent flowability

fast cure

excellent deep section cure

excellent adhesive properties: primerless adhesion to many types of substrates

no cure inhibition

Potential Applications

potting of electric and communications parts

moisture proof sealing of meters

moisture proof coating of electric circuit boards

General Information			
Features	Fast Cure		
	Flame Retardant		
	Good Adhesion		
	High Flow		
	Low Viscosity		
Uses	Electrical/Electronic Applications		
UL File Number	E56745		
Appearance	Grey		
Processing Method	Potting		
Physical	Nominal Value	Unit	
Density	1.41	g/cm³	
Hardness	Nominal Value	Unit	
Durometer Hardness (Shore A)	60		
Elastomers	Nominal Value	Unit	
Tensile Strength	3.00	MPa	
Tensile Elongation (Break)	70	%	
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity	0.40	W/m/K	Internal Method
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.0E+17	ohms · cm	
Electric Strength	26	kV/mm	
Dielectric Constant (60 Hz)	3.10		
Dissipation Factor (60 Hz)	0.010		
Flammability	Nominal Value	Unit	Test Method

Flame Rating	V-0	UL 94
Thermoset	Nominal Value	Unit
Thermoset Components		
	Mix Ratio by Volume: 100	
Part A	Mix Ratio by Weight: 100	
	Mix Ratio by Volume: 10	
Part B	Mix Ratio by Weight: 7.5	
Uncured Properties	Nominal Value	Unit
Color		
-- 1	Blue	
-- 2	Grey	
Density		
-- 3	1.08	g/cm ³
-- 4	1.41	g/cm ³
Viscosity		
-- 5	0.010	Pa·s
-- 6	3.0	Pa·s
-- 7	4.0	Pa·s
Curing Time (23°C)	72	hr
Tack Free Time	20	min
Pot Life	6.0	min
NOTE		
1.	Part B	
2.	Part A	
3.	Part B	
4.	Part A	
5.	Part B	
6.	Mixed	
7.	Part A	

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