

SilTRUST® TSE3661

Silicone

Momentive Performance Materials Inc.

Message:

SilTRUST TSE3661 is a two-component condensation cure silicone rubber designed for electric potting. SilTRUST TSE3661 cures at room temperature to form an elastic rubber and adheres to various types of materials such as metal, plastics, glass and ceramics without the use of primers.

Key Features and Benefits

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

Flame retardant: UL94HB recognized (File No: E56745)

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	Blue-Green		
Processing Method	Potting		
Physical	Nominal Value	Unit	
Density	1.20	g/cm ³	
Hardness	Nominal Value	Unit	
Durometer Hardness (Shore A)	30		
Elastomers	Nominal Value	Unit	
Tensile Strength	1.10	MPa	
Tensile Elongation (Break)	120	%	
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity	0.27	W/m/K	Internal Method
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms · cm	
Electric Strength	20	kV/mm	
Dielectric Constant (60 Hz)	3.20		
Dissipation Factor (60 Hz)	0.020		
Flammability	Nominal Value	Unit	Test Method

Flame Rating	HB	UL 94
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 3.0	
Uncured Properties	Nominal Value	Unit
Color		
-- 1	Blue-Green	
-- 2	White	
Density		
-- 3	1.04	g/cm ³
-- 4	1.20	g/cm ³
Viscosity		
-- 5	0.010	Pa·s
-- 6	3.5	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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