

TSE 3062

Room Temperature Cure Silicone Potting Gel

Product description

TSE 3062 is a two-component, low viscosity silicone gel designed for electronic potting applications. This product cures at room temperature to a soft, tacky gel with the addition of curing agent. The soft nature and cushioning effect of this product provides excellent protection of electronic assemblies from external humidity, mechanical shock and vibration.

Key Performance Properties

- Convenient 1:1 mix ratio by weight
- Low viscosity – easily pourable
- Room temperature curable and heat accelerated cure
- Soft, tacky and sticky gel
- Absorbs shock and protects delicate mechanical components from vibration
- Excellent electrical properties
- Excellent resistance to temperatures extremes

Applications

- Electrical and electronic potting such as hybrid IC and power module
- Potting of high voltage parts

Typical Product Data

Uncured Properties		TSE3062 A	TSE 3062 B
Appearance		Transparent	
Viscosity (23°C)	Pa·s	1.0	1.0
After mixing	Pa·s	1.0	
Mix ratio by weight		1:1	
Work life (23°C)	h	1	
Density	g/cm ³	0.97	
Cured Properties		(0.5h @ 70°C)	
Appearance		Gel	
Penetration		55	
Volume resistivity	ohm · cm	1.0 x 10 ¹⁵	
Dielectric strength	kV/mm	18	
Dielectric constant (60Hz)		2.7	
Dielectric loss (60Hz)		0.001	
Volume expansion	1/K	1 x 10 ⁻³	
Thermal conductivity	W/m·K	0.17	



- Specifications** Typical product data values should not be used as specification. Assistance and specifications are available by contacting Momentive performance materials Technical Service RTV1 and RTV2.
- Instructions for Use** Materials such as water, sulphur, nitrogen compounds, organic metallic salts, phosphorus compounds, etc. contained in the surface of the substrate can inhibit curing. A sample patch should always be conducted before proceeding to determine compatibility.
All parts should be clean and dry prior to applications.
- Handling and Safety** Material Safety Data Sheets are available upon request from Momentive performance materials. Similar information for solvents and other chemicals used with the Momentive performance materials products should be obtained from your supplier. When solvents are used, proper safety precautions must be observed.
- Storage and Warranty Period** The shelf life will be indicated by the 'use before date' on the associated documents with a minimum of 4 months when stored in the original unopened containers.
- Availability** TSE 3062 is available as 2kg and 36kg kits.



PRINCIPAL LOCATIONS – Regional Information

North America	World Headquarters 187 Danbury Road Wilton, CT 06897, USA	T 800.295.2392	F 607.754.7517
Latin America	Rodovia Eng. Constâncio Cintra, Km 78,5 Itatiba, SP – 13255-700, Brazil	T +55.11.4534.9650	F +55.11.4534.9660
Europe, Middle East, Africa and India	D-51368 Leverkusen Germany	T 00.800.4321.1000 T +31.164.293.276	F +31.164.241.750
Pacific	Akasaka Park Building - 5-2-20 Akasaka Minato-ku, Tokyo 107-6112 Japan	T +81.3.5544.3100	F +81.3.5544.3101

CUSTOMER SERVICE CENTERS

North America	Charleston, WV 25314, USA E cs-na.silicones@momentive.com		
	<ul style="list-style-type: none"> Specialty Fluids UA, Silanes, Resins, and Specialties RTV Products-Elastomers Sealants and Adhesives & Construction 	T 800.523.5862 T 800.334.4674 T 800.332.3390 T 877.943.7325	F 304.746.1654 F 304.746.1623 F 304.746.1623 F 304.746.1654
Latin America	E cs-la.silicones@momentive.com		
	<ul style="list-style-type: none"> Argentina & Chile Brazil Mexico & Central America Venezuela, Ecuador, Peru, Colombia, & Caribbean 	T +54.11.4862.9544 T +55.11.4534.9650 T +52.55.5899.5135 T +58.212.285.2149	F +54.11.4862.9544 F +55.11.4534.9660 F +52.55.5899.5138 F +58.212.285.2149
Europe, Middle East, Africa and India	E cs-eur.silicones@momentive.com	T 00.800.4321.1000 T +31.164.293.276	F +31.164.241750
Pacific	E cs-ap.silicones@momentive.com		
	<ul style="list-style-type: none"> Japan China Korea Singapore 	T +81.276.20.6182 T +86.21.5050.4666 (ext. 1523) T +82.2.6201.4600 T +65.6220.7022	
Worldwide Hotline	Worldwide Web www.momentive.com	T 800.295.2392 T +607.786.8131	F +607.786.8309

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