

MG Chemicals has a series of high-quality potting compounds and encapsulation resins for the electronics industry. They add mechanical strength to assembly housings, fill large voids, insulate components from static discharge, and protect against exposure to chemicals, humidity, and salt water.

Our electrical potting compound portfolio includes flame retardancy, thermal conductivity, and optical clarity.

Applications

- PCB protection
- IP protection
- Encapsulating surface mount devices
- Castings and molds

Industries

- Aerospace
- Communications
- Consumer Electronics
- Electric Vehicles
- Instrumentation
- Medical equipment

Epoxy Potting Compounds

1 and 2-part systems that cure to a tough, durable finish. Epoxies offer premium ruggedization and are unmatched for their chemical resistance and shock protection.

Silicone Potting Compounds

Compared with other potting materials, silicone offers premium latitude in operating temperatures ranging from -60 °C to 200 °C with short durations (~30 minutes) up to 260 °C without loss of adhesion. Their low modulus also makes them a premiere choice when encapsulating delicate surface mount components.

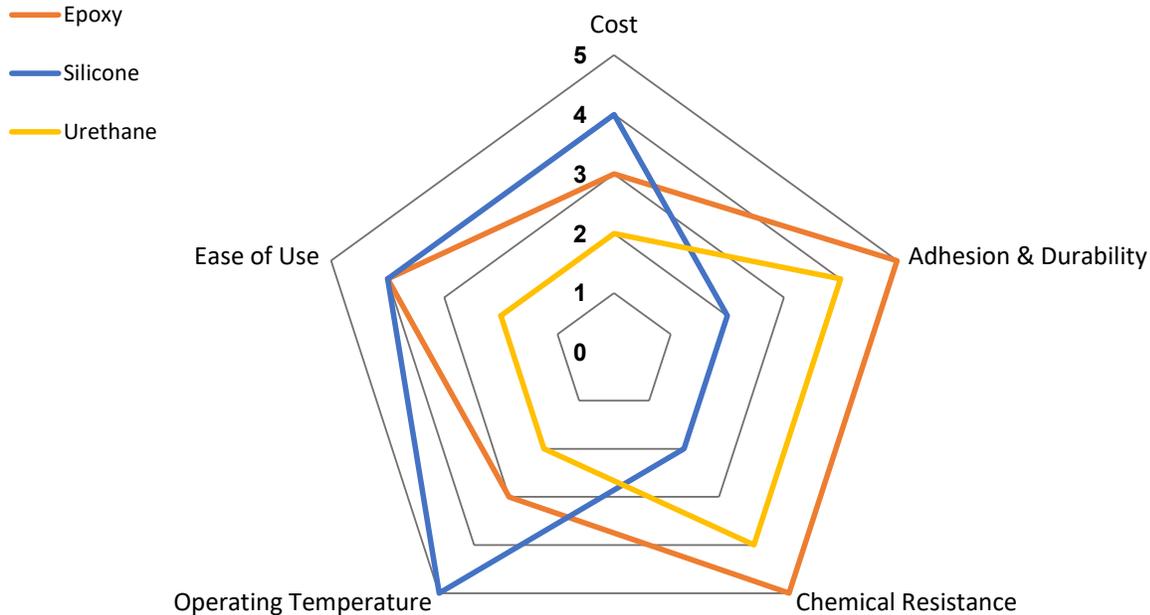
Urethane Potting Compounds

Polyurethanes offer superior protection against water ingress for submersion applications and retain elasticity at very low temperatures.

Potting Compounds



The general properties of potting compounds vary by their binder system. Therefore, it is important to choose the right combination for your specific application. The below graph qualitatively compare the performance of the potting compounds.



Graph 1. Performance comparison of the potting compounds based on the binder type. 5 represents the highest performance and 1 represents the lowest performance.

Product Availability

EPOXY			SILICONE*	URETHANE
1-Part	2-Part	2-Part Flame Retardant		
9510	832B	834B	RTV11	8800
	832HD	834HTC	RTV12	8810
	832C	834FX	RTV60	8820
	832WC	834BLV	RTV88	
	832FX		RTV615	
	832HT		RTV630	
	832TC			

*Products listed above are stocked items and represent a small portion of all available RTV silicones. For more options, please visit our website or contact support@mgchemicals.com.