Reactive Threadlocker Electroloc™

January 2020

Product Description

Electroloc™ is a powerful preapplied micro-encapsulated adhesive for locking and sealing that has been specifically engineered for applications that require low halogen content. Once Electroloc™ is applied to either internal or external threads, it remains inert on the fastener until assembly of the threads mixes the resin. The resin fills the voids of the threads and cures to lock and seal the assembly.

Typical Applications

Electroloc™ provides a low halogen alternative to standard ND Microspheres® 593 that prevents loosening through vibration to provide locking and sealing of threaded assemblies for any electronic component across a wide array of industries including but not limited to: •Industrial •Aerospace •Medical •Consumer Technologies

Properties

Chemical Type	Microencapsulated Epoxy
Color	Light Blue

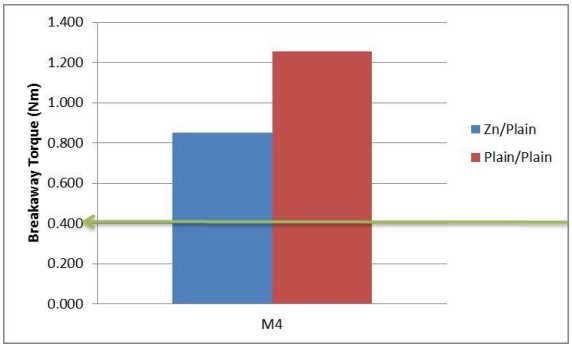
Special Characteristics

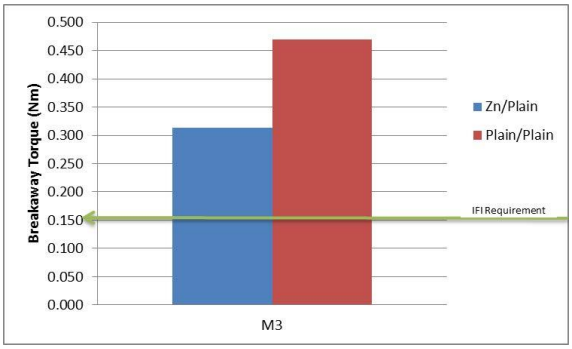
Halogen Content: <500ppm

Properties of Cured Material

	Typical Values
Installation Torque	0.022 Nm
Breakaway Torque	1.1 Nm
Prevailing Off-Torque	1.0 Nm
Temperature Range	-65°F to 300°F (-54°C to 150°C)
Cure Time at 23°C	72 Hours

Please note that installation, breakaway, and prevailing off-torque data are from test results conducted on an M-4 x 0.7 zinc finish bolts and M-4 x 0.7 zinc nuts. Performance may vary depending on fastener finish.





Electroloc™ meets or exceeds the requirements of the IFI-525 (2007) specification. Results for 24 hour cure at ambient temperature are shown above. While results are shown for small fasteners, Electroloc™ is not limited to use on these sizes.

Shelf Life & Storage

Containers should be kept sealed when not in use. The shelf life of Electroloc is at least one year from date of manufacture when stored under ideal storage conditions (4 to 32°C, or 40 to 90°F). Fasteners coated with product are to be stored in a cool and dry location at temperatures between -10°C to 35°C. Optimal storage is 25±4°C.

Special Note

The data contained on this data sheet is believed to be reliable. However, since actual conditions may vary, testing should be conducted by the user to determine suitability for their application.