How to Find Replacements for GORE® EMI Gasket Materials

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Late last year, W.L. Gore announced that it would discontinue production of three GORE® EMI gasket materials: GS2100, GS5200, and GS8000. These well-known shielding, gasketing, and grounding products are used by many gasket fabricators. If you've been buying these GORE® materials for years, now is the time to find a new supplier.

Specialty Silicone Products (SSP), a manufacturer of EMI/RFI shielding materials, is offering replacements for these discontinued GORE® products. Since W.L. Gore's end-of-life notification last year, we have received dozens of inquiries. Moreover, our Ballston Spa, New York (USA) facility is already working with former buyers of GS2100, GS5200, and GS8000.

For gasket fabricators, SSP's ability to produce thin, low-outgassing, flame-resistant shielding elastomers is especially attractive. We can apply a conductive PSA adhesive, as well. Today, our website has new data sheets with information about ASTM 595 outgassing and UL94-V0 flame resistance testing. Additional product data sheets and a future white paper will provide complete product specifications and test data.

SSP's replacement materials include a 40-durometer shielding silicone that is filled with nickel-coated graphite particles and that provides UL-94 V1 flame resistance. SSP-502-40-V0/V1 is recommended as a replacement material for GORE® GS2100, a carbon-filled cellular PTFE with 45-durometer hardness that meets UL-94-V0 requirements. (UL-94 V0 flame resistance for SSP-502-40-V0/V1 is pending.)

Another SSP EMI/RFI elastomer, SSP-502-60-V0, is a nickel-graphite shielding silicone with a 60-durometer hardness. It is recommended as a replacement for GORE® GS5200, a nickel-filled cellular PTFE with a 60-durometer hardness. Like GORE® GS2200, SSP-502-60-V0 meets UL 94 V-0 requirements for flame resistance.

SSP is also supplying two corrosion-resistant shielding elastomers that offer alternatives to discontinued GORE® EMI gasket materials. Both SSP-2529 and SSP-2551 are flame-resistant, very conductive, nickel-aluminum elastomers that have been tested to MIL-DTL-83528. SSP-2529 is a 68-durometer silicone. SSP-2551 is a 72-durometer fluorosilicone.