

3G Shielding Specialties offers a full lineup of Enclosure Shielding as possible replacements to the recently discontinued W.L Gore gaskets. Now is the time to replace the GS2100, GS5200, and GS8000 materials before they go end of life. 3G Shielding has options for every application and budget starting with our most cost-effective Ni/Cu plated Conductive PE / Conductive Urethane Foam products up to our higher performance Ni/C and Ni/Al Filled Conductive Elastomers.

Our low cost, low compression force Conductive PE / Conductive Urethane Foam options come standard with Conductive Pressure Sensitive Adhesive (PSA) for easy mounting options. 3G can easily fabricate them into your existing gasket designs as drop in replacements. When both Environmental Sealing and EMI Shielding are requirements, our S1660, S1680, and F1690 Conductive Elastomers are offered in sheet form with and without conductive PSA and also can be fabricated into custom gaskets. These high performance materials also can be extruded into standard and custom profiles, can be vulcanized into O-Rings, or molded into custom shapes.

3G SHIELDING SPECIALTIES REPLACEMENT RECOMMENDATIONS						GORE OBSOLETE MATERIALS		
	PE Foam	Conductive Foam	S1660	S1680	F1690	GS2100	GS5200	GS8000
Material Type	Ni/Cu Plated PE	Ni/Cu Plated Urethane	Ni/C Silicone	Ni/Al Silicone	Ni/Al Fluorosilicone	Carbon PTFE	Ni PTF	Ni Plated Foam
Temp Range	-40F to 200F	-40F to 200F	-65F to 160F	-65F to 160F	-65F to 160F	-49F to 248F	-49F to 248F	-85F to 185F
Shielding (dB)	>90dB	>90dB	>100dB	>115dB	>115dB	>70 dB	>90 dB	>100 dB
Flame Rating	UL-94 V0	UL-94 V0	UL-94 HB	N/A	N/A	UL-94 V0	UL-94 V0	UL-94 V0
Water Seal	N/A	N/A	PASS	PASS	PASS	PASS	PASS	N/A
Dust Seal	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Thickness Options	0.020	0.040	0.020	0.020	0.020	0.039	0.015	0.030
	0.030	0.060	0.032	0.032	0.032	0.060	0.026	0.063
	0.040	0.080	0.062	0.062	0.062	0.078	0.030	0.095
	0.060	0.100	0.093	0.093	0.093	0.118	0.048	1.260
	0.080	0.120	0.125	0.125	0.125	0.157	0.060	
Availability	YES	YES	YES	YES	YES	NO	NO	NO
Cost / Value	EXCELLENT	EXCELLENT	VERY GOOD	GOOD	GOOD	N/A	N/A	N/A

