

Conduct-O-Elastomer Molded Sheet Part Numbers

ECS3 Series

For ordering convenience please see our full product part number list below. All part numbers are individually numbered to designate material type, durometer, thickness, and mold dimension. Please see the example of our part number system below or simply call direct for assistance.



Sheet Thickness & Dimensions

ECS Material

ECS3- - -

15 X 20 MOLD DIMENSION	*** 70 SHORE A CARBON BLACK FILLED SILICONE ***
ECS3-0101520-1000	70 SHORE A CARBON BLACK FILLED SHEET .010" THICK
ECS3-0151520-1000	70 SHORE A CARBON BLACK FILLED SHEET .015" THICK
ECS3-0201520-1000	70 SHORE A CARBON BLACK FILLED SHEET .020" THICK
ECS3-0321520-1000	70 SHORE A CARBON BLACK FILLED SHEET .032" THICK
ECS3-0401520-1000	70 SHORE A CARBON BLACK FILLED SHEET .040" THICK
ECS3-0621520-1000	70 SHORE A CARBON BLACK FILLED SHEET .062" THICK
ECS3-0931520-1000	70 SHORE A CARBON BLACK FILLED SHEET .093" THICK
ECS3-1251520-1000	70 SHORE A CARBON BLACK FILLED SHEET .125" THICK
ECS3-1601520-1000	70 SHORE A CARBON BLACK FILLED SHEET .160" THICK
ECS31881520-1000	70 SHORE A CARBON BLACK FILLED SHEET .188" THICK
ECS3-2501520-1000	70 SHORE A CARBON BLACK FILLED SHEET .250" THICK
15 X 20 MOLD DIMENSION	*** 65 SHORE A NICKEL COATED GRAPHITE SILICONE ***
ECS3-0101520-2000	65 SHORE A NICKEL GRAPHITE FILLED SHEET .010" THICK
ECS3-0151520-2000	65 SHORE A NICKEL GRAPHITE FILLED SHEET .015" THICK
ECS3-0201520-2000	65 SHORE A NICKEL GRAPHITE FILLED SHEET .020" THICK
ECS3-0321520-2000	65 SHORE A NICKEL GRAPHITE FILLED SHEET .032" THICK
ECS3-0401520-2000	65 SHORE A NICKEL GRAPHITE FILLED SHEET .040" THICK
ECS3-0621520-2000	65 SHORE A NICKEL GRAPHITE FILLED SHEET .062" THICK
ECS3-0931520-2000	65 SHORE A NICKEL GRAPHITE FILLED SHEET .093" THICK
ECS3-1251520-2000	65 SHORE A NICKEL GRAPHITE FILLED SHEET .125" THICK
ECS3-1601520-2000	65 SHORE A NICKEL GRAPHITE FILLED SHEET .160" THICK
ECS3-1881520-2000	65 SHORE A NICKEL GRAPHITE FILLED SHEET .188" THICK
ECS3-2501520-2000	65 SHORE A NICKEL GRAPHITE FILLED SHEET .250" THICK



908-852-9160

Conduct-O-Elastomer Sheet Sizes

ECS3 Series

15 X 20 MOLD DIMENSION	* 60 SHORE A NICKEL COATED GRAPHITE FLUROSILICONE *
ECS3-0101520-2000F	60 SHORE A NICKEL GRAPHITE FILLED FLUROSILICONE SHEET .010" THICK
ECS3-0151520-2000F	60 SHORE A NICKEL GRAPHITE FILLED FLUROSILICONE SHEET .015" THICK
ECS3-0201520-2000F	60 SHORE A NICKEL GRAPHITE FILLED FLUROSILICONE SHEET .020" THICK
ECS3-0321520-2000F	60 SHORE A NICKEL GRAPHITE FILLED FLUROSILICONE SHEET .032" THICK
ECS3-0401520-2000F	60 SHORE A NICKEL GRAPHITE FILLED FLUROSILICONE SHEET .040" THICK
ECS3-0621520-2000F	60 SHORE A NICKEL GRAPHITE FILLED FLUROSILICONE SHEET .062" THICK
ECS3-0931520-2000F	60 SHORE A NICKEL GRAPHITE FILLED FLUROSILICONE SHEET .093" THICK
ECS3-1251520-2000F	60 SHORE A NICKEL GRAPHITE FILLED FLUROSILICONE SHEET .125" THICK
ECS3-1601520-2000F	60 SHORE A NICKEL GRAPHITE FILLED FLUROSILICONE SHEET .160" THICK
ECS3-1881520-2000F	60 SHORE A NICKEL GRAPHITE FILLED FLUROSILICONE SHEET .188" THICK
ECS3-2501520-2000F	60 SHORE A NICKEL GRAPHITE FILLED FLUROSILICONE SHEET .250" THICK



East Coast Shielding

EMI SHIELDING PRODUCTS

908-852-9160

Conduct-O-Elastomer Molded Sheet Sizes

ECS3 Series

15 X 20 MOLD DIMENSION	FULL CERTIFICATION TO MIL-DTL-83528C TYPE B
ECS3-0101520-5000	65 SHORE A SILVER ALUMINUM FILLED DARK BLUE SHEET .010" THICK
ECS3-0151520-5000	65 SHORE A SILVER ALUMINUM FILLED DARK BLUE SHEET .015" THICK
ECS3-0201520-5000	65 SHORE A SILVER ALUMINUM FILLED DARK BLUE SHEET .020" THICK
ECS3-0321520-5000	65 SHORE A SILVER ALUMINUM FILLED DARK BLUE SHEET .032" THICK
ECS3-0401520-5000	65 SHORE A SILVER ALUMINUM FILLED DARK BLUE SHEET .040" THICK
ECS3-0621520-5000	65 SHORE A SILVER ALUMINUM FILLED DARK BLUE SHEET .062" THICK
ECS3-0931520-5000	65 SHORE A SILVER ALUMINUM FILLED DARK BLUE SHEET .093" THICK
ECS3-1251520-5000	65 SHORE A SILVER ALUMINUM FILLED DARK BLUE SHEET .125" THICK
ECS3-1601520-5000	65 SHORE A SILVER ALUMINUM FILLED DARK BLUE SHEET .160" THICK
ECS3-1881520-5000	65 SHORE A SILVER ALUMINUM FILLED DARK BLUE SHEET .188" THICK
ECS3-2501520-5000	65 SHORE A SILVER ALUMINUM FILLED DARK BLUE SHEET .250" THICK

15 X 20 MOLD DIMENSION	70 SHORE A SILVER ALUMINUM FILLED FLUROSILICONE
ECS3-0101520-5000F	70 SHORE A SILVER ALUMINUM FILLED DARK BLUE FLUROSILICONE SHEET .010" THICK
ECS3-0151520-5000F	70 SHORE A SILVER ALUMINUM FILLED DARK BLUE FLUROSILICONE SHEET .015" THICK
ECS3-0201520-5000F	70 SHORE A SILVER ALUMINUM FILLED DARK BLUE FLUROSILICONE SHEET .020" THICK
ECS3-0321520-5000F	70 SHORE A SILVER ALUMINUM FILLED DARK BLUE FLUROSILICONE SHEET .032" THICK
ECS3-0401520-5000F	70 SHORE A SILVER ALUMINUM FILLED DARK BLUE FLUROSILICONE SHEET .040" THICK
ECS3-0621520-5000F	70 SHORE A SILVER ALUMINUM FILLED DARK BLUE FLUROSILICONE SHEET .062" THICK
ECS3-0931520-5000F	70 SHORE A SILVER ALUMINUM FILLED DARK BLUE FLUROSILICONE SHEET .093" THICK
ECS3-1251520-5000F	70 SHORE A SILVER ALUMINUM FILLED DARK BLUE FLUROSILICONE SHEET .125" THICK
ECS3-1601520-5000F	70 SHORE A SILVER ALUMINUM FILLED DARK BLUE FLUROSILICONE SHEET .160" THICK
ECS3-1881520-5000F	70 SHORE A SILVER ALUMINUM FILLED DARK BLUE FLUROSILICONE SHEET .188" THICK
ECS3-2501520-5000F	70 SHORE A SILVER ALUMINUM FILLED DARK BLUE FLUROSILICONE SHEET .250" THICK



908-852-9160

Conduct-O-Elastomer Molded Sheet Sizes

ECS3 Series

15 X 20 MOLD DIMENSION	*** 65 SHORE A SILVER GLASS FILLED SILICONE ***
ECS3-0101520-6000	65 SHORE A SILVER GLASS FILLED SHEET .010" THICK
ECS3-0151520-6000	65 SHORE A SILVER GLASS FILLED SHEET .015" THICK
ECS3-0201520-6000	65 SHORE A SILVER GLASS FILLED SHEET .020" THICK
ECS3-0321520-6000	65 SHORE A SILVER GLASS FILLED SHEET .032" THICK
ECS3-0401520-6000	65 SHORE A SILVER GLASS FILLED SHEET .040" THICK
ECS3-0621520-6000	65 SHORE A SILVER GLASS FILLED SHEET .062" THICK
ECS3-0931520-6000	65 SHORE A SILVER GLASS FILLED SHEET .093" THICK
ECS3-1251520-6000	65 SHORE A SILVER GLASS FILLED SHEET .160" THICK
ECS3-1881520-6000	65 SHORE A SILVER GLASS FILLED SHEET .188" THICK

15 X 20 MOLD DIMENSION	*** 65 SHORE A SILVER COPPER FILLED SILICONE ***
ECS3-0101520-8000	65 SHORE A SILVER COPPER FILLED SHEET .010" THICK
ECS3-0151520-8000	65 SHORE A SILVER COPPER FILLED SHEET .015" THICK
ECS3-0201520-8000	65 SHORE A SILVER COPPER FILLED SHEET .020" THICK
ECS3-0321520-8000	65 SHORE A SILVER COPPER FILLED SHEET .032" THICK
ECS3-0401520-8000	65 SHORE A SILVER COPPER FILLED SHEET .040" THICK
ECS3-0621520-8000	65 SHORE A SILVER COPPER FILLED SHEET .062" THICK
ECS3-0931520-8000	65 SHORE A SILVER COPPER FILLED SHEET .093" THICK
ECS3-1251520-8000	65 SHORE A SILVER COPPER FILLED SHEET .125" THICK
ECS3-1601520-8000	65 SHORE A SILVER COPPER FILLED SHEET .160" THICK
ECS3-1881520-8000	65 SHORE A SILVER COPPER FILLED SHEET .188" THICK



908-852-8160

Conduct-O-Elastomer Performance Specifications

ECS3 Series

	Carbon 1000	Nickel Graphite 2000	Nickel Graphite 2000F	Silver Aluminum 5000	Silver Aluminum 5000F	Silver Glass 6000	Silver Copper 8000
Elastomer	Silicone	Silicone	Fluoro- silicone	Silicone	Fluoro- silicone	Sili- cone	Silicone
Color	Black	Dark Gray	Dark Gray	Blue*	Blue*	Tan	Tan
Specific Gravity, gm/cc	1.2	1.95	1.95	2.0	2.0	1.9	3.5
Durometer Shore A	70	30-70	65	65	70	65	65
Volume Resistivity, Ohm- cm	7.0	0.10	0.10	0.008	0.012	0.006	0.004
Operating Temperature: Min C	-55°	-55°	-55°	-55°	-55°	-55°	-55°
Operating Temperature: Max C	200°	150°	150°	160°	160°	160°	125°
Compression Deflection % Min.	3.5	3.5	3.0	3.5	3.5	3.5	3.5
Tensile Strength, P.S.I.	650	150	150	200	180	200	200
Elongation % Min.	100%	100%	100%	100%	60%	100%	100%
Elongation % Max.	-	-	-	300%	260%	300%	300%
Compression Set %	40	35	25	32	30	30	32
Tear Strength lb./in.	40	40	35	30	35	30	25
Shielding Effectiveness (100 Mhz)	80	100	100	120	120	100	120
Shielding Effectiveness (500 Mhz)	80	100	100	120	120	100	120
Shielding Effectiveness (2 Ghz)	60	100	100	115	115	90	120
Shielding Effectiveness (10 Ghz)	50	100	100	115	115	90	120



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