

New Gasket Material Combines High Performance & Rework Potential

A new gasket solution from 3M combines an exceptionally conductive pad with a double-sided adhesive that is repositionable. The new 7810 series of 3M Electrically Conductive Acrylic Pads (eCAP) offers cohesive strength, shock absorption and strong adhesion that allow rework and fast assembly without curing time.

The eCAP 7810 series products are effective for EMI gasket shielding applications, ESD grounding and connecting in electronic components and assemblies requiring reliable electrical contact with as little as 2.5mm x 2.5mm of contact.

These products are the latest to use the 3M eCAP technology, a breakthrough in pressure-sensitive-adhesive tape and conductive gaskets. Conductive filler in the pads is aligned in three-dimensional structures giving the tape excellent electrical conductivity in all three axes while retaining adhesion and compression performance.

Compared to traditional tapes and adhesives, eCAP tape can mate uneven surfaces and cushion against mechanical shock. It is more conformable than metal-based gasket materials and will not oxidize. 3M Electrically Conductive Acrylic Pads (eCAP) 7810 Series gaskets come in a range of thicknesses.

For more information about 3M Electrically Conductive Acrylic Pads (eCAP) 7810 Series, contact the 3M Electrical Markets Division, A130-4N-40, 6801 River Place Blvd., Austin, Texas 78726-9000, USA, or call 800-245-3573. For more information about 3M electrical products, go to www.3M.com/electrical.

The 3M Electrical Markets Division, based in Austin, Texas, designs, manufactures and markets products for electrical construction, industrial maintenance, utility and industrial power, and electrical and electronic components. EMD has more than 60 years of experience serving customers with highly reliable products, including electrical and electronic insulating tapes and papers; electromagnetic compatible products; power cable splices and terminations; high-temperature, low-sag transmission conductors; heat shrinkable tubing and molded shapes; electrical wire connectors, terminals, tools and lugs; wire marking products; cable ties; and electrical diagnostic and detection products.

About 3M

A recognized leader in research and development, 3M produces thousands of innovative products for dozens of diverse markets. 3M's core strength is applying its more than 40 distinct technology platforms – often in combination – to a wide array of customer needs. With \$25 billion in sales, 3M employs 79,000 people worldwide and has operations in more than 60 countries. For more information, visit www.3M.com.

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