

Electrically Conductive Film for Use in Medical Devices

Adhesives Research releases its ARcare 95000 electrically conductive film for use in medical devices that require low resistance and reliable Z-axis conductivity. It is a 4 mil (0.10 mm), non-tacky, self-supported, electrically-conductive polymer film with low Z-axis resistance, a feature that is critical for accurate readings in sensitive medical biosensor and device applications. The film's high tensile strength and low elongation characteristics enable efficient manufacturing and conversion processes. Medical device applications include biosensors, defibrillators, medical monitoring devices, electrodes and electrical interconnections. Capabilities are offered for coating the film with a number of Pressure-Sensitive Adhesive (PSA) technologies, coatings or conductive inks, such as silver/silver chloride, to enhance the film's functionality for specific applications.

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