

Press release

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**TekniPlex Healthcare Becomes First to Introduce**

**Medical-grade, ISCC PLUS-certified Bio-based**

**PVC Compounds Equivalent to Conventional PVC**

***Company’s bio-based compounds are a drop-in replacement for a variety***

***of injection molded or extruded medical-grade PVC compounds utilized***

***in tubing, films, components and other applications.***

*Wayne, PA –* **TekniPlex Healthcare**,whichutilizes advanced materials science expertise to help deliver better patient outcomes, has become the first healthcare solutions company to introduce **bio-based compounds for medical plastics applications** whose performance and compositional properties are equivalent to conventional polyvinyl chloride (PVC) resins. Certified through the globally recognized International Sustainability & Carbon Certification PLUS (ISCC PLUS) system, the bio-based medical-grade PVC compounds utilize resins and plasticizers manufactured with renewable energy and bio-attributed classification.​ The compounds are equivalent to traditional medical-grade PVC in terms of chemical composition, functionality and regulatory viability.

As the healthcare industry increasingly emphasizes eco-friendliness and carbon footprint reduction, TekniPlex Healthcare’s bio-based, medical-grade PVC compounds enhance sustainability profiles without sacrificing the reliable performance for which traditional PVC compounds are known. The bio-based compounds are a drop-in replacement for a wide variety of injection molded or extruded PVC compounds utilized in a broad array of applications, including tubing solutions such as IV therapy tube sets, drip chambers, and peristaltic pump tubing; films used for trays, pouches, bags and other form-fill-seal settings; and other components composed of medical-grade plastics.

Offering excellent cost-performance characteristics, TekniPlex Healthcare’s new bio-based PVC compounds can reduce CO2 output/emissions by up to 90% compared with conventional PVC resins, and approximately 60% relative to traditional PVC plasticizers. Produced at the company’s manufacturing facility in Belfast, Northern Ireland, the material’s ISCC PLUS certification assures its production and distribution via a transparent and traceable supply chain.

“The ability to produce a broad array of medical-grade PVC solutions with bio-based compounds is a significant step forward in healthcare materials science sustainability,” said Meg Henke, Global Head of Product Management for TekniPlex Healthcare. “We’re proud to be the first to introduce such a groundbreaking capabilities set, which brings the potential to substantially reduce our customers’ overall CO2 output while staying unwaveringly true to our top priority of delivering better patient outcomes.”

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**About TekniPlex Healthcare**

TekniPlex Healthcare utilizes advanced materials science expertise and technologies to develop and deliver critical solutions for medical and diagnostic devices, drug delivery systems and sterile barriers healthcare packaging applications. With a global reach, the division’s deep understanding of the greater pharmaceuticals and medical landscape helps it produce exemplary barrier properties for drugs and precision medical devices for interventional and therapeutic procedures.

In the medical device niche, TekniPlex Healthcare embodies a comprehensive CDMO partner capable of servicing every stage of the product life cycle, from design and development through component manufacturing and final assembly. Throughout its broad purview, the division’s ever-evolving portfolio helps meet demands for high-leverage medicines and mission-critical healthcare products that benefit care providers and patients. For more information visit [www.tekni-plex.com/healthcare](http://www.tekni-plex.com/healthcare).