

Using Porous Polymers for Filtration

Whether it is to protect critical components, reduce contamination of the environment, or ensure device functionality, filtration media plays an important role in many products and manufacturing processes. Filtration media serves as the ultimate safeguard for a device, blocking or removing impurities such as unwanted gases, liquids or particles that can contaminate or negatively impact a device. How a laboratory pipette operates in critical circumstances where infectious diseases are tested and analyzed or how a gas sensor performs in extreme and dangerous conditions are both dependent on the materials and technologies used in the filtration media.

Offering surface and depth filtration functionality, porous plastic structures are comprised of an omnidirectional, inter-connecting matrix, which can be optimized for filtration efficiencies to match the end device's gas or fluid filtration and separation requirements. Additionally, filtration media may be surface modified or additives may be incorporated into the porous matrix to enhance functionality.

What you will learn:

1. Learn the science behind different types of filtration and how each type is used in various applications
2. Understand how various materials and technologies can be used to help filter gases, liquids or other substances
3. See the technology in action in specific application examples

Nadia Hajjar, Senior Business Development Manager, Custom Porous Solutions, Porex



As Senior Business Development Manager for Porex, Nadia is responsible for managing the global commercial team within Life Sciences, Case and Industrial to drive new business growth and innovation. Prior to joining Porex, Nadia worked with Silipos, a former Reckitt-owned company, where she led the product development, engineering and marketing teams to drive successful product strategy, commercialization and optimization across their four healthcare segments. Focused on driving product growth and innovation, she successfully expanded B2B partnerships and increased product distribution of

existing SKUs into the Middle East and Africa. Prior to her role at Silipos, Nadia worked for healthcare tech startup, GC Software, overseeing their strategic positioning and product launch strategy within the Chilean healthcare market. Coupled with this, she also spent time as a Strategic Marketing Consultant within Ethicon, a part of Johnson & Johnson, focused on medical device and surgical solutions. Partnering with the Edinburgh Bioquarter, she liaised with doctors and key startups to identify new product opportunities, partnerships and establish go-to-launch strategies. Nadia earned a Masters in Business Administration, with a focus on Strategy, from the University of Edinburgh and brings with her an international focus, consulting on projects within Latin America, Europe and Africa.

Jamal Davenport, Sales Engineer, Life Sciences

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As Sales Engineer for Life Sciences at Porex, Jamaal is responsible for driving new business growth for Porex within key East coast accounts in the US. He has deep experience working within global pharma to leverage new business in key application areas. Prior to joining Porex, Jamaal worked with Intertek, where he held the position of Business Development Manager. He worked with customers from various industries including polymer, specialty chemicals, medical device, and pharmaceuticals. Jamaal's focus was on account growth, where he was successful with significant year over year growth. Jamaal also assisted customers with regulatory submissions, research and development and new product development.

Prior to working at Intertek, Jamaal worked for a Specialty Paper Manufacturer, Glatfelter, as an analytical chemist, with a focus on research and development and new product development.

Jamaal received Bachelor of Science degrees in Chemistry and Biology from Millersville University, and an MBA from Pennsylvania State University.