

New PTFE Options Enhance Chemical Processing Operations

Interstate Advanced Materials offers PTFE products that help ensure equipment reliability, longevity, and safety for daily chemical processing operations.

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EINPresswire.com/ -- Interstate Advanced Materials offers a varied selection of PTFE products that help ensure equipment reliability, longevity, and safety for daily operations in chemical processing facilities.

[PTFE, also known by the brand name Teflon™](#), has an exceptional resistance to chemicals that makes it an ideal choice for chemical processing applications. It withstands exposure to a wide range of corrosive substances, including acids, bases, and solvents, without any loss in physical properties.



PTFE is a chemically resistant and thermally stable material used in chemical processing operations for seals, gaskets, tank and pipe liners, valve components, and more.

This minimizes the risk of equipment failures or accidents due to component degradation, helping to decrease downtime and increase workplace safety. PTFE is chemically inert and has low permeability which are both necessary for maintaining the purity of chemicals.

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Christopher Isar

PTFE's high thermal stability allows it to retain its properties across a broad temperature range, making it a good choice for applications where extreme temperature variations are frequent. Its low friction properties reduce the risk of clogging and contamination by preventing buildup in piping and tanks and ensuring the smooth flow of chemicals.

PTFE has excellent electrical properties – combined with its resistance to chemicals, it is ideal for harsh environments requiring corrosive resistance and nonconductivity. This material is also UV resistant and can be used in both indoor and outdoor chemical applications.

PTFE is well-suited to handle the demands of many applications in chemical processing thanks to its properties. Its chemical resistance and thermal stability make it an excellent choice to use as lining for pipes, tanks, and reactors, protecting them from corrosive substances and extending their service life. In chemical processing and transportation equipment, PTFE is used for seals, gaskets, bearings, bushings, and valve components, where its combination of chemical resistance, low friction properties, and high-temperature stability ensure reliable performance and minimize the risk of leaks. PTFE is also a good fit for filters, fittings, and pump components, where the material's non-stick and wear properties make cleaning and maintenance easier.

Interstate Advanced Materials offers PTFE in sheet, rod, tube, and cut-to-size options. Chemical processing professionals looking to reduce their material costs can [save 30%+ on PTFE and other materials](#) with an Interstate Advanced Materials membership. To learn more about the benefits of PTFE for chemical processing operations, call a material expert at 800-742-3444.

Interstate Advanced Materials is a full-line distributor of high-performance sheet, rod, tube, plate, and bar, and proudly serves many diverse industries, including OEM, semiconductor, food processing, POP display, government, agriculture, automotive, and many others. With 10 locations nationwide and an online sales and support team, Interstate Advanced Materials provides full sheets and pallets, cut-to-size service, complex CNC, welding solutions, and full machining capabilities.

Interstate Advanced Materials is known for selling high-quality products, providing excellent customer service, and providing superior technical support. Excellence in all facets of the customer experience has been the cornerstone of Interstate Advanced Materials for over 40 years.

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