GREENE TWEED

PFAS-Free Solutions Portfolio

Proactive Innovation for a Sustainable Future

As industries shift toward more environmentally responsible materials, the demand for Per- and polyfluoroalkyl substances (PFAS)-free products has grown significantly. Choosing PFAS–free solutions helps organizations mitigate regulatory risk, and reduce their environmental footprint.

Our Strategic Pillars

Our approach to PFAS is guided by four key commitments:

Regulatory Compliance & Industry Education

Greene Tweed maintains a dedicated, cross-functional team to monitor global regulations and ensure our operations remain compliant, actively engaging with industry associations like the National Association of Manufacturers (NAM) and SEMI.org.

Portfolio Innovation & Expansion

We are continuously expanding our extensive portfolio of high-performance PFAS-free materials. Our innovation roadmap is focused on developing next-generation elastomers, thermoplastics, and composites that meet the demanding temperature and chemical resistance requirements of your applications.

Supplier Collaboration & Diversification

Greene Tweed works closely with supply chain partners to transition to more sustainable technologies, including non-fluorosurfactant (NFS) chemistries. This ensures a consistent and reliable supply of materials while reducing environmental impact.

Sustainability & Customer Partnership

Our commitment extends beyond material science. We are partnering with customers to optimize product lifecycles, reduce waste, and explore recycling initiatives. By working together, we can identify opportunities to implement PFAS-free solutions that enhance both performance and sustainability.

PFAS-Free Solutions Datasheet

Greene Tweed provides a robust portfolio of high-performance materials for critical applications, combining reliability and sustainability. Our PFAS-free elastomers, thermoplastics, and composites offer exceptional durability, chemical resistance, and performance in extreme conditions. Discover the right material for your application.

	Brand/Material	PFAS-Free	NFS	Highlights
Thermoplastics / Composites	**Arlon®**	Yes*	Yes*	• 3000XT / 3160XT - Patented and ISO-23936-2-certified cross-linked PEEK that provides highly improved mechanical properties in high-pressure, high-temperature applications and enhanced performance in electrical applications • 3000XT / 3160XT are excellent potential PFAS replacements
	WR®	Yes*	Yes*	• WR® 525 PEEK reinforced with continuous hoop-wound carbon fiber, max service temp 274°C (525°F) • WR® 575 PEEK reinforced with carbon, used in high-speed machinery, max service temp 249°C (480°F)
	Xycomp® DLF™	Yes	Yes	• Up to 60% weight reduction versus metal; designed to replace complex-shaped metallic components • Excellent retention of properties after thermal aging
	Orthtek®	Yes	Yes	• Excellent strength-to-weight ratio • Radiolucent and autoclaveable
Elastomers	**EPM/EPDM**	Yes	Yes	• 953 - Ultra low temp down to -65°C (-85°F) • 823 and 826 - Nuclear grade EP with outstanding resistance to hot water/steam, polar solvents and ozone. Gamma radiation tested.
	NBR/HNBR/XNBR	Yes	Yes	• 984 - High durometer carboxylated NBR material • 987 - Ultra low temp NBR down to -60°C (-76°F)
	AU/TPU	Yes	Yes	• 369 - High molecular-weight urethane with strong performance in high and low temp environments
	Fluoraz® (FEPM)	No	Yes	• All - Excellent for high temp applications up to 232°C (450°F), including steam and hot water • 890 - FDA, USP-VI, and Sanitary 3-A compliant
	Fusion® (FKM)	No	Yes*	• F07 - Excellent performance in subfab applications for etch and CVD processes
Other	**Seal-Connect®** (electrical and fiber optic connectors	Yes	Yes	• Electric - Outperform traditional glass to metal connectors with significant weight savings, optimized electrical properties, and a durable internal seal • Fiber Optic - Patented fiber sealing technology; solutions designed for extreme pressure and temperature

**Applies to select compounds within that brand*

PFAS-Free: Compounds made with polymers that, to the best of our knowledge, contain no intentionally added PFAS.

NFS: Compounds' base material and any fillers/additives are, to the best of our knowledge, made without fluorosurfactants.