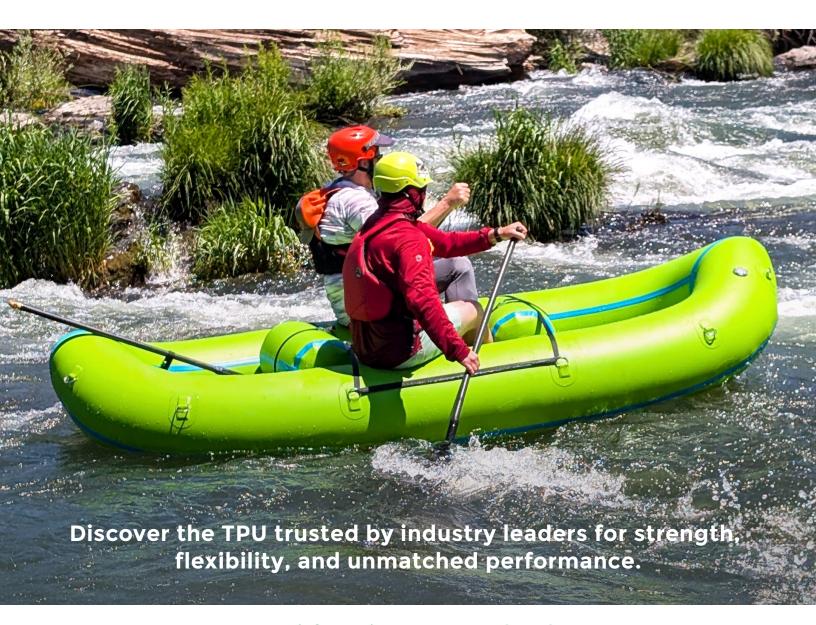


# TPU Sample Card Thermoplastic Polyurethane





TPU's rugged durability and superior resistance to abrasion, punctures, and harsh environmental conditions make it the material of choice for dock seals. It holds up to repeated contact with trailers and extreme temperature swings, ensuring long-lasting performance in high-traffic loading zones.



# **40 OUNCE** REINFORCED TPU COATED POLYESTER

ID#10507-4060

#### **FEATURES & BENEFITS:**

- High abrasion and tear resistance for extended wear life
- UV and weather resistant—performs in all climates
- Flexible in cold temperatures for year-round performance
- Low surface energy resists dirt build up.
- Weldable by RF, Hot air or wedge process allowing for efficient fabrication



TPU's lightweight strength and dependable air retention make it the go-to material for life vest and personal flotation devices (PFDs). With rapid inflation, flexibility, and resistance to punctures or UV degradation, it ensures both performance and safety in critical moments.

# **FEATURES & BENEFITS:**

- Superior air retention for reliable inflation
- Resistant to saltwater, UV, and mildew
- Lightweight for comfort and mobility
- Weldable for consistent seams and secure inflation chambers
- Soft touch options available for user comfort



**8 OUNCE REINFORCED TPU COATED NYLON - INFLATABLE** 

**ID# TPU 1001S** 



**7 OUNCE REINFORCED TPU COATED NYLON - INFLATABLE** 

ID# PU 201



In medical-grade and life-sustaining applications like hyperbaric chambers, TPU offers a rare combination of clarity, airtight integrity, and biocompatibility. Its flexibility and weldability allow for precision manufacturing and safe, sealed environments.

# **FEATURES & BENEFITS:**

- Airtight and pressure-resistant for chamber integrity
- Safe and non-toxic—meets medical-grade standards
- Seam-sealable for airtight construction
- Lightweight yet strong for mobile or portable units



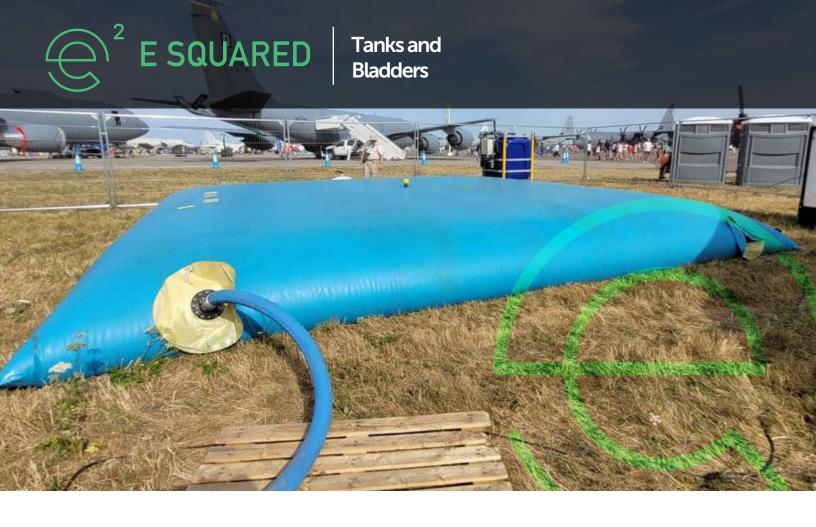
**18 OUNCE** REINFORCED TPU COATED NYLON - AIR CONTAINMENT

YLON - AIR CONTAINME ID# TPU2008A



**28 OUNCE** REINFORCED TPU
COATED POLYESTER - SPILL CONTAINMENT

ID# 10509-2849-NAVFAC



TPU is ideal for flexible tanks and bladders due to its chemical resistance, stretch strength, and low permeation. Whether storing water, fuels, or industrial fluids, TPU maintains integrity while adapting to dynamic fill and pressure conditions.



**35 OUNCE** REINFORCED TPU

COATED NYLON - POTABLE WATER

ID# TPU 2058

## **FEATURES & BENEFITS:**

- Low permeation for secure fluid containment
- Tear- and puncture-resistan t for field durability
- Remains flexible in extreme temperatures
- Foldable and lightweight for easy transport and deployment
- Excellent chemical and fuel resistance (TPU 2180)



E Squared Technical Textiles is a trusted innovator in high-performance Thermoplastic Polyurethane (TPU) materials. Our engineered textiles are built to perform in demanding applications-from loading dock seals and marine spill containment to flexible tanks, bladders, and inflatable boats. Backed by decades of expertise and a reputation for reliability, E Squared delivers materials you can count on when performance matters most.

















www.e2techtextiles.com



