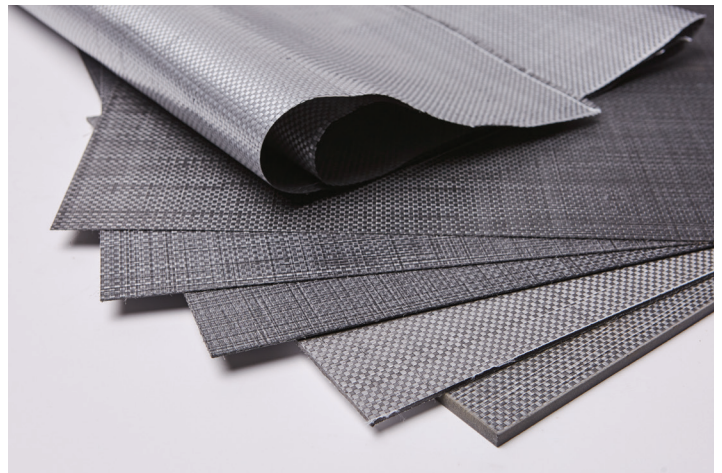


LIGHTWEIGHT PERFORMANCE BATTLEFIELD-PROVEN STRENGTH

Versatile Structure and Protection.

Milliken Tegris® thermoplastic composites deliver lightweight, superior impact resistance. This sleek material is compressed into layered constructions to add stiffness and protection to countless applications in military or police gear.

- ▼ **Lightweight construction without sacrificing protection**
- ▼ **Water and chemical resistance helps protect in many conditions**
- ▼ **Cold-temperature impact resistance that outperforms most thermoplastics and composites**
- ▼ **Engineered for applications that need high stiffness**
- ▼ **Fully recyclable material**
- ▼ **Unique aesthetic in various thicknesses depending on desired performance**



Military-Grade Durability.

As a partner to the U.S. Military since WWII, Milliken has a long-standing legacy of protecting warfighters and those on the front lines with state-of-the-art materials and technologies. Trusted today in military and police protective vests, plate carriers, backpacks and armored vehicles, Tegris composites withstand the most dangerous missions.



Designed for Demanding Environments.

Whether pressed into panels or laser cut into shapes, Tegrис composites feature breakthrough advantages for today’s warfighter.

IMPACT RESISTANCE

Tegrис composites are engineered for the most extreme environments, including the ability to withstand projectiles and shrapnel, and avoid cracking even in temperatures as low as -40°C.

COMFORTABLE AND CONVENIENT

Easy to cut, handle and bond with other layers—with minimal tool or machine wear—Tegrис composites offer easy application and maintenance.

VERSATILITY

Tegrис composites improve overall performance so defense personnel can focus on the mission at hand.

VALUE

Tegrис composites integrate easily with other materials and technologies for increased performance and cost savings.

LIGHTWEIGHT

Featuring consolidated construction based on low-density thermoplastics, Tegrис composites facilitate significant weight reduction compared to higher density, glass-filled composites.

STIFFNESS

A tough but malleable material, Tegrис composites can be layered to reach desired levels of structure and protection for gear and equipment in a variety of applications.

RECYCLABLE

Made of 100% polypropylene, Tegrис composites are fully recyclable.

Tegrис® Sheet Offering

The chart below highlights our full box offerings varying from 120 to 264 sheets. Beyond this offering, and starting at a MOQ of 10,000 sheets, Milliken can create custom-colored composites to match a specific military shade or unique weaves to achieve a distinctive aesthetic. Our colored films add abrasion resistance and desirable nIR properties while maintaining 100% of the polypropylene content. Custom thicknesses outside of the standard offering are also available at MOQs starting at 1,000 sheets.

Tegrис Sheet Layup - Plies	Sheet Size	Milliken Material #	Avg Thickness (mm)	Areal Density (gsm)	Tensile Strength (MPa)
6	4'x6'	4000150274	0.7	575	>190
8	4'x6'	4000150278	0.9	785	>190
12	4'x6'	4000150277	1.4	1165	>190
6L Coyote	4'x6'	4000276811	0.95	780	>170
12L Coyote	4'x6'	4000278122	1.7	1380	-
6L Black	4'x6'	4000297467	0.95	780	-
8L Black	4'x6'	4000310284	1.2	980	-
12L Black	4'x6'	4000297492	1.7	1380	-