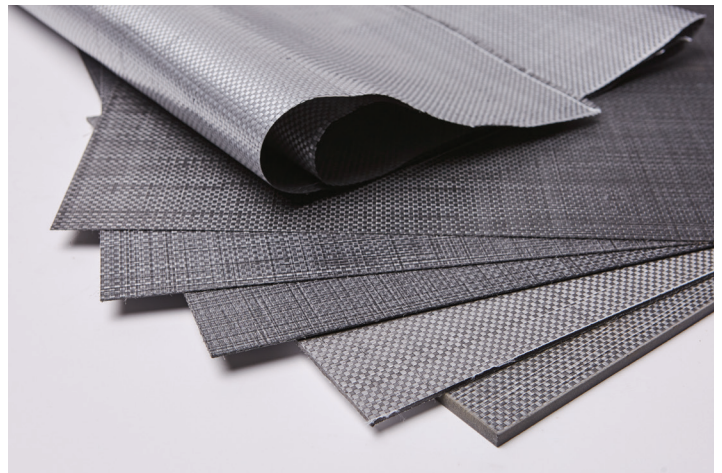


# LIGHTWEIGHT PERFORMANCE BATTLEFIELD-PROVEN STRENGTH

## Versatile Structure and Protection.

Milliken Tegris<sup>®</sup> 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 while remaining comfortable to the skin.

## VERSATILITY

With water resistance that reduces weight and radar transparency that stays undetected, 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.

## Styles In-Stock, Ready to Ship.

The chart below highlights our standard offering starting at a minimum order quantity (MOQ) of 10 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. Custom thicknesses outside of the standard offering are also available at MOQs starting at 200 sheets.

| Tegrис Sheets | Color       | Material # | Sheet Size |         | Thickness |       | Areal Density |       |
|---------------|-------------|------------|------------|---------|-----------|-------|---------------|-------|
|               |             |            | (cm)       | (in)    | (mm)      | (in)  | (gsm)         | (psf) |
| 6 layers      | Grey/Silver | 4000150274 | 121 x 182  | 48 x 72 | 0.7       | 0.028 | 575           | 0.12  |
| 8 layers      | Grey/Silver | 4000150278 | 121 x 182  | 48 x 72 | 0.9       | 0.035 | 785           | 0.16  |
| 12 layers     | Grey/Silver | 4000150277 | 121 x 182  | 48 x 72 | 1.5       | 0.055 | 1165          | 0.24  |
| 6 layers      | Coyote      | 4000276811 | 121 x 182  | 48 x 72 | 0.9       | 0.035 | 830           | 0.17  |
| 12 layers     | Coyote      | 4000278122 | 121 x 182  | 48 x 72 | 1.8       | 0.070 | 1460          | 0.30  |

|| [TEGRIS.MILLIKEN.COM](https://www.milliken.com) ||

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