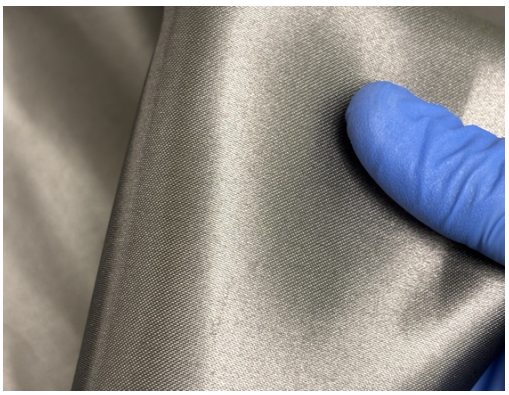
STEALTH TEX IR

FABRIC | Ultra-Light Infrared Functional Textile





REAL GRAFREN TEXTILE SAMPLES

PRODUCT OVERVIEW

STEALTH TEX IR Fabric is a flexible textile functionalised with Grafren's ultra-thin nanomaterial coating. It is designed to modify the infrared radiation characteristics of conventional fabrics and support development of lightweight thermal signature management systems.

KEY FEATURES

- Approximately 1 g/m2 additional coating weight
- Flexible, drapable textiles that can be cut, sewn and further coloured
- Potential compatibility with multiple textile substrates
- Intended for non-contact configurations with an air gap from approximately 1 mm

TECHNICAL OVERVIEW

Technology	Ultra-thin functional nanomaterial coating
Core property	Infrared radiation management
Added coating mass	Approximately 1 g/m2
Processing	Cutting, sewing and additional coloration
IR performance	Requires application-specific verification

COMMERCIAL APPROACH

Coated textile samples and customer-specific material development for apparel and technical textile manufacturers. Potential commercial routes include material supply, OEM projects and technology licensing.

Development concept: optical properties and finished-product performance remain subject to validation.