VERSITEX®

ADVANCED
THERMOPLASTIC
COMPOSITE

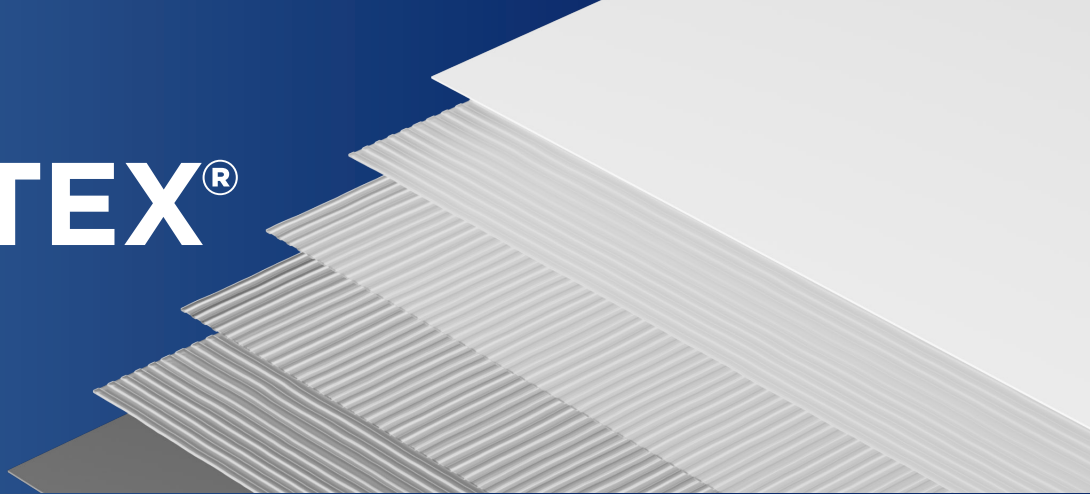


TRANSTEX®

1 877 332 3519

transtex-llc.com

VERSITEX®



High strength, recyclable, lightweight and **impact resistant** material that offers moisture, chemical and corrosion resistance.

Versitex® is a lightweight, high-strength thermoplastic composite engineered for durability and performance. It resists moisture, corrosion, and chemicals, offers superior thermal and sound insulation, and is fully recyclable - delivering reliable protection, easy maintenance, and cost-effective solutions across demanding applications.

PRODUCT SPECIFICATIONS

	Standard	VR1	VR1.5	VR2	VR3	VR8	VR10
Flexural Strength 0º	ASTM D790	13040 psi.	31200 psi.	51180 psi.	43340 psi.	39160 psi.	39940 psi.
Flexural Strength 90º	ASTM D790	9730 psi.	10390 psi.	21860 psi.	25500 psi.	33680 psi.	36380 psi.
Peak Load Energy Absorbsion	ASTM D3763	N/A	N/A	13.36 J	14.84 J	55.12 J	53.06 J
Nominal Thickness	N/A	0.036±0.005 in.	0.038±0.005 in.	0.060±0.005 in.	0.080±0.005 in.	0.180±0.010 in.	0.200±0.010 in.
Surface Density	N/A	1.21±0.01 lbs./sqft	1.21±0.01 lbs./sqft	1.38±0.02 lbs./sqft	0.54±0.02 lbs./sqft	1.19±0.02 lbs./sqft	1.35±0.03 lbs./sqft
Tensile Strength	ASTM D638	21300 psi.**	17860 psi.	32780 psi.	32300 psi	37220 psi.	38680 psi.
Tensile Modulus	ASTM D638	1272000 psi.**	1034600 psi.	1586000 psi.	1514000 psi.	1806000 psi.	1896000 psi.
Tensile Elongation	ASTM D638	2.1%**	4.1%	2.4%	2.4%	2.3%	2.3%
Thermal Expansion	ASTM E831	N/A	N/A	181.5 µm.	204.5 µm.	172 µm.	175 µm.
Thermal Conductivity	ASTM E1461	0.25 W/mK	0.24 W/mK	0.29 W/mK	0.30 W/mK	0.36 W/mK	0.36 W/mK
Specific Gravity	ASTM D792	1.28	1.23	1.31	1.32	1.32	1.36
Colors							

* Only one test was performed for glass content. Contact US Liner for guidance or additional questions on these values.
** Tested along the 90-degree direction.

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TRANSTEX is a cleantech leader in the transportation sector, engineering emission-reducing solutions tailored to enhance fleet efficiency and to reduce costs. TRANSTEX has been innovating trailer aerodynamics and electric Auxiliary Power Units (eAPUs) manufactured in North America for over 20 years. Through investment in R&D and patented technology, TRANSTEX delivers outstanding product performance and reliability, optimizing economic and environmental outcomes.