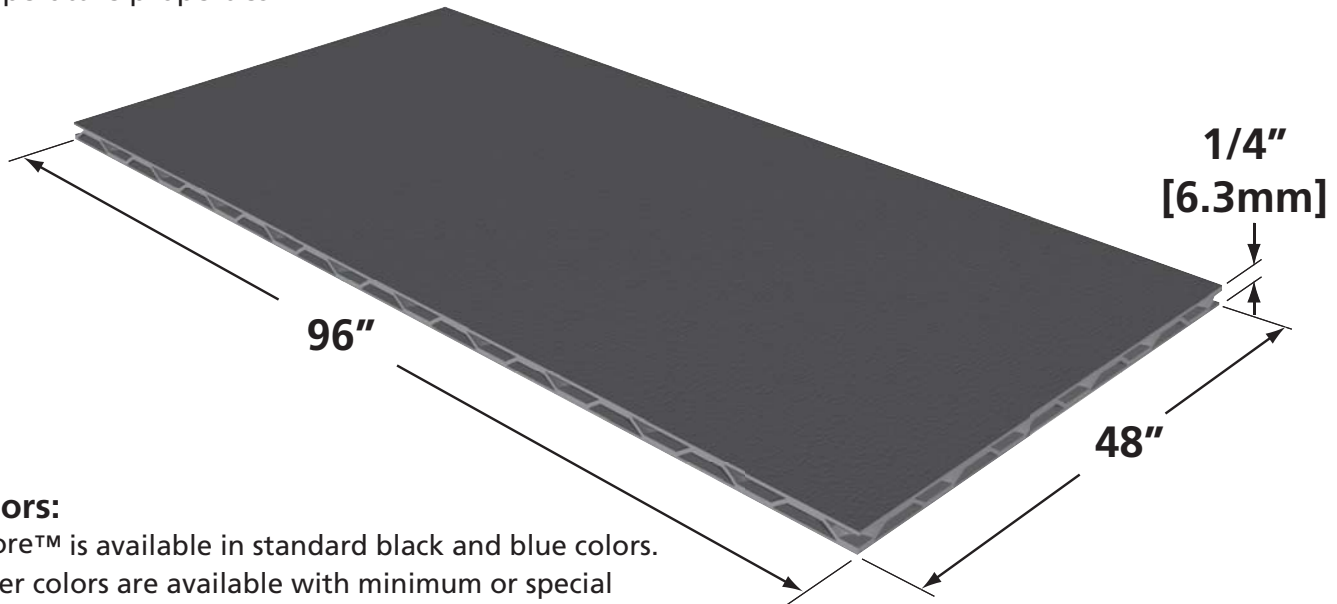




Structured polymer composite sheet

T-Kore™ is a 3 layer thermoplastic structured sheet with exceptionally good high temperature performance. It has high tensile strength combined with high impact strength and stiffness, excellent fabricating performance, good ductility and low temperature properties.

Part number	Color
510-5025900	1/4" Black
510-5025933	1/4" Blue



Colors:

T-Kore™ is available in standard black and blue colors. Other colors are available with minimum or special order. Colored panels have a black core and black bottom skin.

T-Kore™ has a haircell textured top and bottom surface.

Finishing:

With conventional fabricating tools, it is possible to machine, saw, drill, route and grind these panels.

Paints can be applied. Performance paints formulated for plastics must be used.

As long as proper procedures are followed, this material can be joined to other materials, or itself, by adhesive bonding, ultrasonic welding and by mechanical fasteners such as staples and rivets.

Availability:

T-Kore™ panels are available from our warehouses with standard dimensions of 48in x 96in. Standard quantity is 100 panels per skid. Each sheet weighs 22.5 lbs

Applications:

Ideal structural material for ATA cases, crates, packaging applications and re-usable shipping containers.

In addition to its superior mechanical properties, T-Kore™ resists thermal distortion and also resists many chemicals.



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Order Toll Free **(800) 465-6281** U.S.A. or Canada



Structured polymer composite sheet

Product data sheet

Physical Properties	Units	Typical Values	1/4" TCH Laminate Panel Values	Polypropylene Composite Panel values	Test methods
Specific Gravity		1.04 -1.10	N/A	N/A	ASTM D-792
Density	Grams / sq. ft.	290	382	249	
Weight per sheet	lbs	20	27	21.1	
Thickness	Inches [MM]	0.25 [6.3]	0.25 [6.3]	0.28 [6.8]	ISO 5086
Tensile Strength	PSI	8,009	21,022	8,373	ISO 527-2:1993E
Flexural Strength at 3% deflection	PSI	19,794	N/A	21,022	ISO 178:2001
Flexural Strength at Yield	PSI	20,612	24,572	21,068	ISO 178:2001
Impact Strength falling iron dart	at 73° F	288 in/lbf - No break	96.4 in/lbf- Break	288 in/lbf- No break	ASTM D-5420-04
Heat Deflection Temp	Degrees F	200	N/A	N/A	ASTM D-648
Hardness	Rockwell R	98	N/A	N/A	ASTM D-785
Flammability		Passes	N/A	N/A	FMVSS-302
UL Flammability**		Passes **Can be UL94 V-0 by special order	N/A	N/A	UL94 HB

The properties are listed solely to give general guidance and are not to be construed as a warranty or representation for which TCH assumes responsibility.



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