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### ABOUT ALLCASES

- Established in 1985
- Small Business
- Woman Owned
- AS9100:2009 Certified
- ISO9001:2009 Certified
- GSA Contract Available
- L-3 Communications “**Top 20” Supplier Award Recipient**
- Harris Corp “**Outstanding Service Supplier” Award Recipient**
- Cage Code OT848
- D&B: 010030612
- SAM Registered
- ITAR Registered
- Pelican/Hardigg Master Stocking Case Distributor
- Pelican Remote Area Light System Distributor
- Stocking Distributor of Sealed Air & Pregis Foam Products
- Case Refurbish/Repurpose (repair/replace hardware, stencil and foam)



## 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.

| THICKNESS        | COLOR |
|------------------|-------|
| 1/4" x 48" x 96" | Black |
| 1/4" x 48" x 96" | Blue  |
| 3/8" x 48" x 96" | Black |
| 3/8" x 48" x 96" | Blue  |
| 1/2" x 48" x 96" | Black |
| 1/2" x 48" x 96" | Blue  |

### COLORS

T-Kore™ is available in custom colors based on minimums with special order. Custom colors are available colored one side or colored both sides with black core. T-Kore™ has a haircell textured top and bottom surface.

### FINISHING

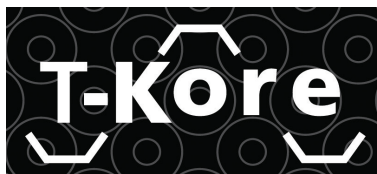
With conventional fabricating tools, it is possible to machine, saw, drill, route and grind these panels. Paints can be applied. Performance paints formulated for plastics must be used.

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.

### APPLICATIONS

Ideal structural material for many industries: commercial trucking, automotive, portable buildings, sheds, commercial refrigeration, marine applications. Industries needing to replace plywood, such as ATA cases, crates, packaging applications, garage door panels, hunting blinds, livestock stall liners and many other applications.

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



## STRUCTURED POLYMER COMPOSITE SHEET

### PRODUCT DATA SHEET

| PHYSICAL PROPERTIES                   | UNITS        | 1/4" THICK<br>T-KORE  | 3/8" THICK<br>T-KORE | 1/2" THICK<br>T-KORE | TEST METHODS    |
|---------------------------------------|--------------|-----------------------|----------------------|----------------------|-----------------|
| Specific Gravity                      |              |                       | 1.04 - 1.08          |                      | ASTM D-792      |
| Density                               | lbs / sq.ft. | 0.63                  | 0.69                 | 0.94                 |                 |
| Weight per sheet                      | lbs          | 20                    | 22                   | 30                   |                 |
| Thickness                             | Inches [MM]  | 0.25 [6.3]            | 0.41 [10.4]          | 0.48 [12.2]          | ISO 5086        |
| Tensile Strength                      | PSI          | 8,009                 | TBD*                 | TBD*                 | ISO 527-2:1993E |
| Flexural Strength at<br>3% Deflection | PSI          | 19,794                | TBD*                 | TBD*                 | ISO 178:2001    |
| Flexural Strength at<br>Yield         | PSI          | 20,612                | TBD*                 | TBD*                 | ISO 178:2001    |
| Impact Strength falling<br>Iron Dart  | At 73° F     | 288 in/Lbf - No Break |                      |                      | ASTM D-5420-04  |
| Heat Deflection Temp                  | Degrees F    | 200                   |                      |                      | ASTM D-648      |
| Hardness                              | Rockwell R   | 98                    |                      |                      | ASTM D-785      |
| Flammability                          |              | Passes                |                      |                      | FMVSS-302       |

\* To Be Determined

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