



Nomex<sup>®</sup> honeycomb was developed with the advent of the wide-body commercial airplane for use in flooring, bulkheads, dividers, galley structures and lavatories. General Veneer Manufacturing Co. was among the first to use it in production. Nomex<sup>®</sup> core offers high impact resistance and compressive properties and performs superbly on the food cart roller test.

General Veneer Manufacturing Co. has been supplying lightweight parts and raw materials to the Aircraft and Aerospace Industry for over 50 years.

## Geneerco #6, Type 94

Geneerco #6 series is a non-metallic core bonded sandwich panel. This panel offers light weight, high performance, corrosion resistance, flame retardancy, impact resistance and cost effectiveness in one bonded sandwich panel with reinforced polymer or metallic faces. Although developed for use in military and cargo

applications, these qualities make it suitable for a wide range of uses. Fatigue testing indicates a long service life can be expected.

Geneerco #6, Type 94 uses faces built from epoxy-reinforced fiberglass. It meets the mechanical requirements of LAC C-28-1247 and FAR 25.853.

*Geneerco Structures are available for many applications and installations that require quality products at a competitive cost. Please contact General Veneer Manufacturing Co. for more information regarding other available panel types.*

*As primary manufacturers of composite sandwich structures, we can help customers achieve maximum efficiency and cost-effectiveness when we also machine finished parts and add coatings, putty, and aerospace hardware.*

*Nomex<sup>®</sup> is a registered trademark of DuPont.*

## Geneerco #6, Type 94

<b>Typical Physical and Mechanical Properties</b>		
<b>Physical Description</b>	<b>Typical Values</b>	<b>Unit</b>
<b>Geneerco #6</b>	<b>Type 94</b>	
Nominal Weight	0.503	p.s.f.
Overall Thickness	0.375	in.
Top Skin Thickness	0.02	in.
Bottom Skin Thickness	0.02	in.
Nominal Core Density	3	p.c.f.
Core Cell Size	1/8	in.
Length • Nominal 96", 120", 144"	Up to 192	in.
Width • Nominal 48", 60", 72"	Up to 72	in.

Panels are available in other thicknesses, widths, lengths and core densities per customer request. Some widths may require skin and core splices.

<b>Panel Strength • Test Method</b>	<b>Typical Values</b>	<b>Unit</b>
<b>Geneerco #6</b>	<b>Type 94</b>	
Stabilized Compression • MIL-STD-401	270	p.s.i.
Flatwise Tension • MIL-STD-401	200	p.s.i.
Climbing Drum Peel • MIL-STD-401	24	in-lb/3-in. width
Flame Time • FAR 25.853 (60 Second Vertical)	15	sec.
Burn Length • FAR 25.853 (60 Second Vertical)	6	in.
Drip Flaming Time • FAR 25.853 (60 Second Vertical)	3	sec.
Flame Penetration • FAR 25.853 (45 Degree)	None	N/A
Flame Time • FAR 25.853 (45 Degree)	15	sec.
Glow Time • FAR 25.853 (45 Degree)	10	sec.

Values listed represent theoretical averages to be expected. Prospective users should evaluate the material to determine if material is suitable for the users' specific requirements. User assumes all risk and responsibilities for any loss or damage caused by or resulting from the use of any information contained within this product bulletin.

Ref. Precision Conversions Drawing 007D4791. Meets mechanical requirements of Lockheed LAC-C-28-1247 and FAR 25.853, 60-second vertical burn.



Need a part, not just a raw panel? General Veneer Manufacturing Co. can machine, drill, fill, prime, paint and add hardware to your product. We are a fully automatable shop, with 3 large CNC routers and a team of specialists for delicate custom work. Our finished parts fly daily and are launched into space on a regular basis.