

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, Types 8A, 9A & 17A

In the Geneerco #6 series of non-metallic bonded sandwich panels, Types 8A, 9A and 17A combine Nomex<sup>®</sup> honeycomb cores and cross-plyed unidirectional epoxy fiberglass faces to offer light weight, high performance, corrosion resistance, flame retardancy, impact resistance and cost effectiveness. These qualities make this panel set suitable for use in a wide range of applications. Fatigue testing indicates a long service life can be expected.

Geneerco #6, Types 8A, 9A and 17A, are qualified to BMS 4-17 Types I, II and VII, and to

DAC BZZ7002 Types I and II.

- Type 8A products use low density Nomex<sup>®</sup> honeycomb core, with uni-directional epoxy fiberglass skins.
- Type 9A products use medium density Nomex<sup>®</sup> honeycomb core, with uni-directional epoxy fiberglass skins.
- Type 17A combines the light weight of Type 8A with the strength of Type 9A in a versatile dual density panel. Using the combination of both core densities, panels can be configured to meet the specific needs of the customer.

*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.*

General Veneer Manufacturing Co.  
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## Geneerco #6, Types 8A, 9A and 17A

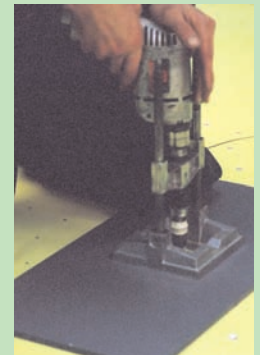
Typical Physical and Mechanical Properties				
Physical Description	Typical Values			Unit
Geneerco #6	Type 8A	Type 9A	Type 17A	
Weight	0.52	0.64	0.52/0.64	p.s.f.
Overall Thickness	0.400	0.400	0.400	in.
Top Skin Thickness	0.015	0.015	0.015	in.
Bottom Skin Thickness	0.015	0.015	0.015	in.
Nominal Core Density	5.0	9.0	5.0 and 9.0	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 splices.

Panel Strength • Test Method	Typical Values			Unit
Geneerco #6	Type 8A	Type 9A	Type 17A	
Stabilized Compression • MIL-STD-401	600	1600	600/1600	p.s.i.
Long Beam Bending • MIL-STD-401 (20 in. Span, 1/4 Point Loading)	250	280	250	lb.
Deflection at 100 lbs.	0.8	0.75	0.8	in.
Climbing Drum Peel • Standard Condition	30	30	30	in-lb/3-in. width
Flammability • 60 Sec. Vertical Ignition	15	15	15	sec.
Panel Shear 12" (L/W) • MIL-STD-401	360	585	360	lb.
Gardner Impact	50	50	50	in-lb

Qualified to BMS 4-17 Types I, II and VII, and DAC BZZ7002 Types I and II

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.



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.

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