

Nomex[®] 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[®] 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 32, 33 & 34

In the Geneerco #6 series of non-metallic bonded sandwich panels, Types 32, 33 and 34 combine Nomex[®] honeycomb cores and cross-plyed unidirectional epoxy carbon-fiber 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 32, 33 and 34, are qualified to BMS4-20 Types II, III and IV.

- Type 32 products use medium density Nomex[®] honeycomb core, with uni-directional epoxy carbon fiber skins.

- Type 33 products use low density Nomex[®] honeycomb core, with uni-directional epoxy carbon fiber skins.

- Type 34 combines the light weight of Type 33 with the strength of Type 32 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.

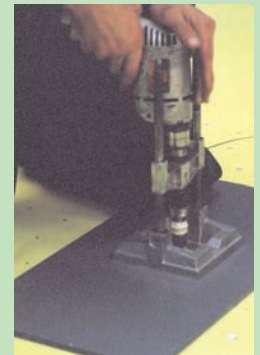
As primary manufacturers of composite sandwich structures, we can help customers achieve maximum efficiency and cost-effectiveness when we also machine finished parts and add coatings, putty, and aerospace hardware.

Nomex[®] is a registered trademark of DuPont.

Geneerco #6, Type 32, 33 & 34

Typical Physical and Mechanical Properties			
Physical Description	Typical Values		Unit
	Geneerco #6	Type 32	
Weight	0.58	0.46	p.s.f.
Overall Thickness	0.400	0.400	in.
Top Skin Thickness	0.015	0.015	in.
Bottom Skin Thickness	0.015	0.015	in.
Nominal Core Density	9.0	5.0	p.c.f.
Core Cell Size	1/8	1/8	in.
Length • Nominal 96", 120", 144"	Up to 192	Up to 192	in.
Width • Nominal 48", 60", 72"	Up to 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 32	
Stabilized Compression • MIL-STD-401	1400	600	p.s.i.
Long Beam Bending • MIL-STD-401 (20 in. Span, 1/4 Point Loading)	230	230	lb.
Deflection at 100 lbs.	0.55	0.575	in.
Climbing Drum Peel • Standard Condition	17	17	in-lb/3-in. width
Flammability • 60 Sec. Vertical Ignition	15	15	sec.
Panel Shear • MIL-STD-401	585	360	lb.
Impact	6	6	in-lb
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.			
Qualified to BMS4-20 Type II, Type III and Type IV.			



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.

General Veneer Manufacturing Co.

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