

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, Type 22

Geneerco #6 series is a non-metallic core bonded sandwich panel. Type 22 offers light weight, high performance, corrosion resistance, flame retardancy, impact resistance and cost effectiveness in a panel with reinforced polymer faces. Although designed for use in flooring, these qualities make it suitable for use in a wide range of applications. Fatigue testing indicates a long service life can be expected.

Geneerco #6, Type 22, uses low density Nomex[®] honeycomb core, with Geneerco Phenoglass LS phenolic impregnated fiberglass skins.

Geneerco #6, Type 22, meets the requirements of DAC Drawing S3933941, Code C, Types A and B. Core direction shall be specified as Class A for ribbon parallel to panel length and Class B for ribbon parallel to panel width.

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.

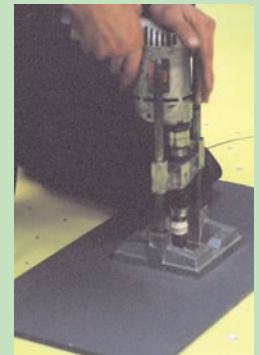
As primary manufacturers of composite sandwich structures, we can help customers achieve maximum efficiency and cost-effectiveness when we also machine finished parts and add coatings, putty, and aerospace hardware.

Nomex[®] is a registered trademark of DuPont.

Geneerco #6, Type 22

Typical Physical and Mechanical Properties		
Physical Description	Typical Values	Unit
Geneerco #6	Type 22	
Weight	0.97	p.s.f.
Overall Thickness	0.300	in.
Top Skin Thickness	0.040	in.
Bottom Skin Thickness	0.030	in.
Nominal Core Density	8.0	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 22	
Stabilized Compression • MIL-STD-401	1200	p.s.i.
4" Long Beam Bending • MIL-STD-401 (20 in. Span, 1/4 Point Loading)	330	lb.
Flammability • 60 Sec. Vertical Ignition	15	sec. ext.
Geneerco Phenoglass LS face sheets are qualified to and meet the requirements of DMSI558, Type 2.		
Meets the requirements of DAC Drawing S393394I Code C, Types A and B.		
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.

General Veneer Manufacturing Co.

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