

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 20

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 designed for use in flooring applications, 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 20, uses high-density Nomex[®] honeycomb core and heavy-duty cross-plyed unidirectional epoxy fiberglass skins.

Geneerco #6, Type 20, is qualified to BAC drawing. 69B15779 Type V.

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.

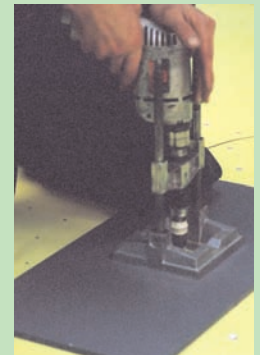
Geneerco #6, Type 20

Typical Physical and Mechanical Properties		
Physical Description	Typical Values	Unit
Geneerco #6	Type 20	
Weight	0.98 (0.95 to 1.10)	p.s.f.
Overall Thickness	0.400	in.
Top Skin Thickness	0.030	in.
Bottom Skin Thickness	0.030	in.
Nominal Core Density	12.0	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 20	
Stabilized Compression • MIL-STD-401	1800	p.s.i.
Long Beam Bending • MIL-STD-401 (20 in. Span, 1/4 Point Loading)	450	lb.
Deflection at 100 lbs.	0.40	in.
Climbing Drum Peel • Standard Condition	30	in-lb/3-in. width
Flammability • 60 Sec. Vertical Ignition	8	sec.
Panel Shear 12" (L/W) • MIL-STD-401	1000	lb.
Gardner Impact	120	in-lb

Qualified to BAC drawing 69B15779 Type V.

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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