

ACRYLIC – LEXAN – NYLON

ACRYLIC SHEET



American made acrylic sheet Grade C to Specification LP-391 is unshrunk. When heated to forming temperature of 220-250°F, it will shrink about 2.2% in length and width and will increase about 4% in thickness. When heated to a pliable state it can be drilled, sawed and machined. It has excellent resistance to weathering. It is less than half as heavy as glass and has good impact resistance. .060" or .080" thickness is generally used for side windows and .118" for windshields. Both sides are paper covered for protection. Sheet size: 48"x96". Sold in 2'x2' increments only. Order by part number (see table)

Size	Thickness Inch	Weight Lb./Sq.Ft.	Part No.***	Price/Sq. Ft.
2x2	.060 Clear	.37	03-49802	---
2x2	.080 Clear	.49	03-49902	---
2x2	.118 Clear	.62	03-50002	---
2x2	.118 Tinted*	.77	03-50102	---
2x2	.118 Tinted**	.77	03-50202	---

* Smoke tint

** #2111 Green tint

*** Order by basic part number and add last two digits according to dimensions of piece, as follows: 2'x4' (8 Sq.Ft.) add "04"; 4'x4'; (16 Sq.Ft.), add "08"; 4'x8' (32 Sq.Ft.), add "10". Example: 2'x4' .080 Clear is P/N 03-49904.



LEXAN

American made Kirex polycarbonate sheet (an equivalent to G.E. Lexan) is a very strong plastic which is guaranteed by manufacturer against breakage when used as a window for a 3 year period. It will scratch like Plexiglas, but will not break. Clear, masked both sides. Sheet size: 48"x96". Sold in 2'x2' increments only. Order by part number (see table)

Size	Thickness Inch	Weight Lb./Sq.Ft.	Part No.***	Price/Sq. Ft.
2x2	.060	.38	03-50302	---
2x2	.093	.59	03-50502	---
2x2	0.118	.78	03-50602	---

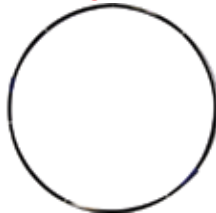
* Order by basic part number and add last two digits according to dimensions of piece, as follows: 2'x4' (8 Sq.Ft.) add "04"; 4'x4' (16 Sq.Ft.), add "08"; 4'x8' (32 Sq.Ft.), add "10". Example: 4'x4' of .093 is P/N 03-50508.



CLEAR CELLULOSE ACETATE SHEET

May be used to make inspection rings, grommets and shapes which will adhere to fabric with dope or fabric cement. Sheet size: 20" x 50". Thickness: .030". P/N 03-50700..... ---/Sheet

GRAPHLITE CARBON FIBER ROD



Prepreg tape has an inherent waviness which can reduce the strength and stiffness of a laminate. Graphlite rod eliminates fiber waviness and unlike tape, it can be placed along any curved surface and retain fiber alignment. Graphlite can be used in layers to form building blocks for stiffeners, spar caps, longerons and other axially loaded parts. Components made with Graphlite offer tension strength on the lower wing surface and compression strength on the upper surface that are almost equal. In addition, a single layer of rods is as thick as 10 layers of tape, meaning fewer passes and less effort. Graphlite rods increase compression strength, reduce fabrication costs by 50%, can be laid on compound curves, and require no special storage. Available in two rod types: standard module (SM) which is 33-34 MSI and intermediate module which is 42 msi. Sold by the roll. Typical light aircraft requires minimum of 1000 ft. Graphlite rod.

Rod Type	Rod Diameter	Tensile Strength	Part Number	Price per roll
IM	0.067	503	03-50706	--- /100 ft.
SM	0.125	503	03-50707	--- /12 ft.

NYLON

Nylon, a polyimide resin, is a light yet tough thermoplastic material. Its density is approximately .041 lb./cu.in. It is a tough, resilient material with a low coefficient of friction. Abrasion tests show that Nylon loses less material than do many metals, other plastics, and hard rubber. It can deform under load, then return to its original shape. Nylon retains its impact strength over a wide range of temperatures (-60° to 400°F). It has good resistance to most chemicals. It can be easily machined on most standard metal working machines, power hacksaws, band saws, or circular saws. It is desirable to use a saw with a coarse tooth blade.

NYLON PLATE



Thickness (Inch) (Lbs.)	Wt. per Sq. Ft.	Part Number	Price/ Sq. Ft.*
1/4	1.54	03-51200	---
1/2	3.07	03-51300	---
3/4	4.61	03-51400	---
1	6.15	03-51500	---

* SOLD BY THE SQUARE FOOT (12" X 12")
Smaller pieces are available.

Order as follows:

6" x 6" = 0.25

6" x 12" = 0.50

12" x 12" = 1

12" x 24" = 2

12" x 36" = 3

NYLON ROUND ROD



Diameter (In.)	Part No.	Price/ Ft.
1/8	03-51600	---
1/2	03-51800	---
3/4	03-51900	---
1	03-52000	---
1-1/4	03-52100	---
1-1/2	03-52200	---
2	03-52300	---

Furnish cutting instructions for UPS shipment.