

# 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)

Thickness Inch	Weight Lb./Sq.Ft.	Part No.***	Price Per Sq. Ft.
.060 Clear	.37	03-498—	\$2.50
.080 Clear	.49	03-499—	\$2.75
.118 Clear	.62	03-500—	\$2.80
.118 Tinted*	.77	03-501—	\$4.06
.118 Tinted**	.77	03-502—	\$4.58

\* Smoke tint

\*\* #2111 Green tint

\*\*\* Order by basic part number and add last two digits according to dimensions of piece, as follows: 2'x2' (4 Sq.Ft.) add "02"; 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.



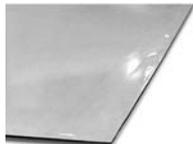
## LEXAN

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)

Thickness Inch	Weight Lb./Sq.Ft.	Part No.*	Price Per Sq. Ft.
.060	.38	03-503—	\$2.28
.080	.50	03-504—	\$3.15
.093	.59	03-505—	\$3.48
.118	.78	03-506—	\$3.88

\* Order by basic part number and add last two digits according to dimensions of piece, as follows: 2'x2' (4 Sq.Ft.), add "02"; 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 ..... \$49.65/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	P/N	Price per roll
IM	0.067	503	03-50706	\$93.50 /100 ft.
SM	0.125	503	03-50707	\$16.85 /12 ft.
SM	0.158	503	03-50708	\$153.95 /100 ft.
SM	0.063	785	03-50710	\$84.60 /100 ft.



## 3M™ WINDOW SEALANTS

3M STRIP CAULK - This black, nonhardening compound in 12" strips is the most satisfactory product for sealing windshields and windows. 61 strips per box, more than enough for an average, leakproof windshield installation.

P/N 08578 ..... \$19.50/Box

## DOW CORNING® 730 FS SOLVENT RESISTANT SEALANT



Dow Corning®730 FS Solvent Resistant Sealant is a ready-to-use, solventless, nonslumping fluorosilicone rubber paste that reacts with moisture in the air to form a tough, rubbery solid. It is a fluid-resistant material that is ideally suited for use in many applications where resistance to fumes, splash, and sometimes even total immersion in fuels, oils and solvents is needed. Dow Corning 730 FS Solvent Resistant Sealant features good resistance to weathering, vibration, moisture, ozone, and temperature extremes. It retains its flexibility over a wide temperature. 3 oz. tube ..... P/N 09-00383 ..... \$107.85



## DOW SILASTIC RTV

General-purpose single-component silicone rubber. Adheres to metals, glass, paint, ceramics, most plastics, and wood. Cures to a firm silicone rubber in 24 hours at room temperature. Seals

windshield glass, windows, repair worn rubber parts.  
 #732 RTV (Clear), 3 Oz. Tube ..... P/N 09-04406 ..... \$4.95  
 #732 RTV (White), 3 Oz. Tube ..... P/N 09-04407 ..... \$4.95  
 #732 RTV (Clear), 4.7 Oz. Tube ..... P/N 09-27800 ..... \$7.95  
 #732 RTV (White), 4.7 Oz. Tube ..... P/N 09-27810 ..... \$7.65  
 #732 RTV (White), 10.10 Oz. Tube ..... P/N 09-27810 ..... \$7.65  
 #732 RTV (Black), 4.7 Oz. Tube ..... P/N 09-27815 ..... \$7.65  
 #732 RTV (Black), 3 Oz. Tube ..... P/N 09-27815 ..... \$7.65  
 #736 Red Silicone, 3 Oz. Tube ..... P/N 09-27900 ..... \$12.50

## DOW CORNING RTV-3145 ADHESIVE / SEALANT

Sealing openings in modules and housings; adding mechanical stability to individual components; assembly of components on PWBs; sealing in and around wires and electrical leads; yoke assembly.

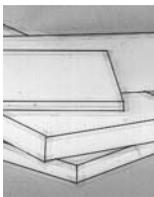
Clear ..... P/N 09-02041 ..... \$37.50  
 Gray ..... P/N 09-02042 ..... \$39.50



## 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 No.	Price/ Sq. Ft.*
1/16	.39	03-51000	\$6.65
1/8	.77	03-51100	\$13.75
1/4	1.54	03-51200	\$20.85
1/2	3.07	03-51300	\$40.95
3/4	4.61	03-51400	\$60.75
1	6.15	03-51500	\$76.80

\* 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	\$0.46
1/4	03-51700	\$0.59
1/2	03-51800	\$1.35
3/4	03-51900	\$2.90
1	03-52000	\$4.70
1-1/4	03-52100	\$6.85
1-1/2	03-52200	\$8.60
2	03-52300	\$15.75

Less 10% for 4 ft. lengths.

Less 20% for full 8 ft. lengths. Furnish cutting instructions for UPS shipment.

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