



PALOPAQUE®

Flat Solid Opaque Type 1 PVC Sheet



► Introduction

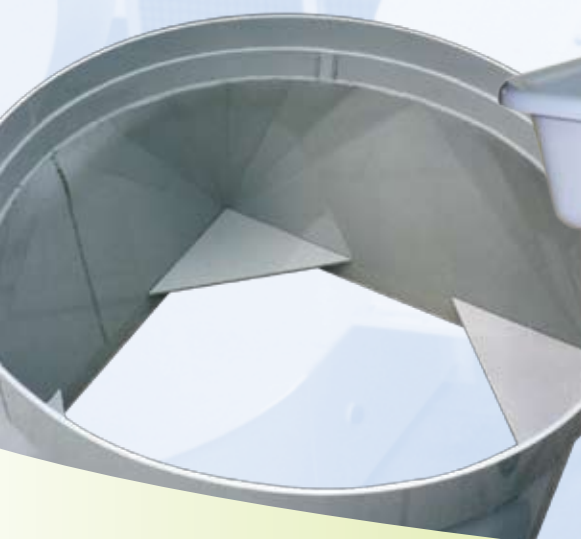
With more than 45 years manufacturing of PVC experience, Palram's PALOPAQUE Type 1 flat solid PVC sheet is some of the best in the market. Easily formed and fabricated, PALOPAQUE is ideal for a wide variety of applications, including chemical storage tanks, fume hoods, duct work, pipe flanges, filter housings, etc. With its high chemical resistance, PALOPAQUE is highly suitable for industrial applications. PALOPAQUE can also be digitally or screen printed.

► Main Benefits

- Excellent chemical resistance, for chemical and corrosive environments
- Impact resistant
- Easily fabricated and formed
- Highest fire rating, self-extinguishing
- Glossy or matte surface
- High electrical and thermal insulation
- High impact strength
- Weather resistant
- Comply with international standards
- Optional Matte finish on one side
- Non toxic & 100% recyclable
- Easy fabrication

► Typical Applications

- Wall cladding for laboratories
- Air ventilation & handling equipment
- Frequently cleaned cladding
- Chemical process industries
- Signage in chemical rich or outdoor environments



OPEN SUNDAY

FOR SALE

**WEST VALLEY
REAL ESTATE**

Jack O'Connell

863-555-1212

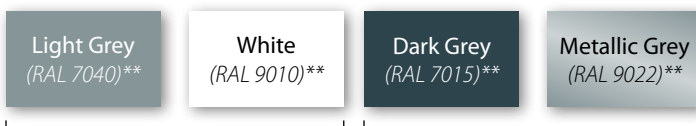
► Standard Dimensions

Width x Length (in.)	Thickness (in.)	Thickness (mm)
48 x 96	0.04 to 1.0	1 to 25

Custom Dimensions: PALOPAQUE is available in thicknesses up to 2", widths up to a maximum of 60 inches, as well as custom lengths. Custom dimensions are subject to minimum quantities. Contact Palram Americas for more information.

► Colors and Finishes

PALOPAQUE™ is available in a variety of colors, as well as smooth and matte finish.* Contact Palram Americas for current stock availability.



Stock Colors

Available Colors*

*"Available" colors, custom colors, and matte finish may be subject to minimum order quantities.

** Indicated RAL designations are closest match.

► Flammability

PALOPAQUE is self-extinguishing and complies with the most demanding international fire resistance standards defined in the field of plastics, as shown in the table at right.

Standard	Classification*
DIN 4102	B-1
BS 476/7	Class 1
NSP 92501,5	M-1
CSE RF 3/77	Class 1
UL 94	V-0
ASTM D-635	SE

* Depends on thickness

► Fabrication Tips

PALOPAQUE can be easily fabricated using various techniques. Below are general recommendations for some of them.

Sawing	Machining	Thermoforming	Drilling	Bonding	Welding
For both band and circular saws use blades with a minimum tooth set, and about 8 to 10 teeth per inch. Prevent overheating by feeding slowly.	Use low machining speeds for turning and shaping, and assure free removal of machining chips.	Between 130°C and 170°C PALOPAQUE sheets become formable and can then be formed, press molded or blow formed.	Use conventional drills, but be certain to remove free drill chips in order to avoid overheating of the sheet. Also, use slow rate of penetration.	PALOPAQUE sheets can be bonded with conventional solvent based PVC adhesives.	PALOPAQUE extruded PVC sheets can be welded by hot-air welding process conventionally used for PVC.

Inasmuch as PALRAM Industries has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the material's suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any PALRAM Industries patent covering such use or as recommendations for use of such materials in the infringement of any patent. PALRAM Industries or its distributors cannot be held responsible for any losses incurred through incorrect installation of the material. In accordance with our company policy of continual product development you are advised to check with your local PALRAM Industries supplier to ensure that you have obtained the most up to date information.



PALRAM AMERICAS, INC.

9735 Commerce Circle, Kutztown, PA 19530
 Phone: (800) 999-9459 Fax: (610) 285-9928
 sales.americas@palram.com

► Typical Physical Properties

Property	Method*	Conditions	Units	Value
Density	D-1505		lb/ft ³	87
Heat deflection temperature (H.D.T)	D-648	Load: 264 psi	°F	150 - 155
Service Temperature			°F	14 to 122
Thermal conductivity	C-177		Btu-in./hr-ft ² -°F	1.05
Coefficient of linear thermal expansion	D-696		10 ⁻⁵ /°F	3.7
Rockwell hardness	D-785		R Scale	97
Tensile strength at yield	D-638	0.4 in./min	PSI	7,500
Tensile strength at break	D-638	0.4 in./min	PSI	5,800
Elongation at yield	D-638	0.4 in./min	%	3
Elongation at break	D-638	0.4 in./min	%	75
Tensile modulus of elasticity	D-638	0.04 in./min	PSI	420,000
Flexural strength	D-790	0.04 in./min	PSI	11,600
Flexural modulus	D-790	0.04 in./min	PSI	440,000
Impact falling weight	ISO 6603/1	0.118. sheet	ft-lbf	70

* ASTM except where noted otherwise

► UV Protection

PALOPAQUE™ is manufactured with UV stabilization intended for general purpose and thermoforming applications. White PALOPAQUE features increased UV resistance for exterior use.

► Chemicals Resistance

EXCELLENT	Mineral acids, alkalis, plating solutions, paper making chemicals, pickling solutions, other inorganic solutions and fumes thereof.
GOOD	Alcohols, aliphatic hydrocarbons, glycols, amines, phenols.
Not Recommended for Contact	Ketones, chlorinated solvents, aromatic hydrocarbons, some esters and ethers.

For more information please refer to "Chemical Resistance of PVC Products" available at www.palram.com (Download section & General Information) or with your PALRAM distributor.

Authorized Dealer