



# PALCLEAR®

Flat Solid Transparent PVC Sheet



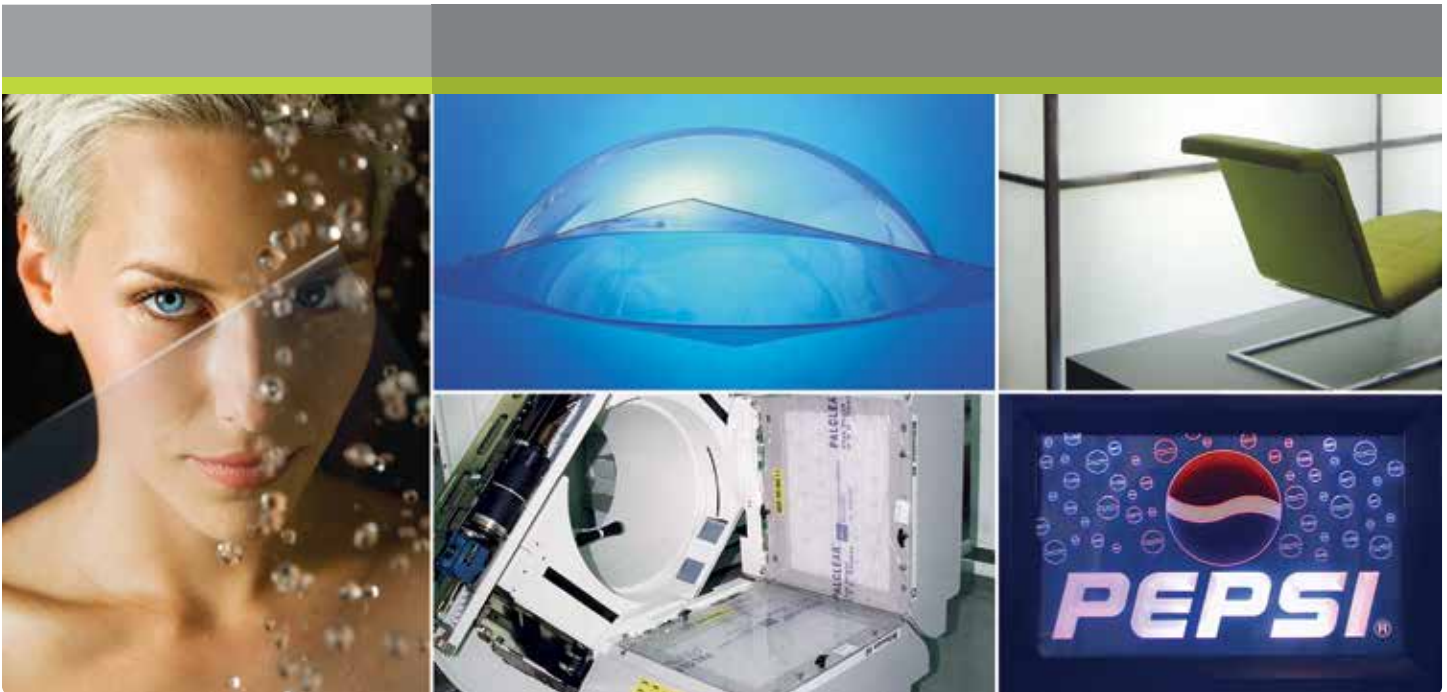
CONSTRUCTION



FABRICATION



ADVERTISING



## Overview

PALCLEAR provides a versatile solution for applications in populated indoor areas.

PALCLEAR has remarkable mechanical properties, impact strength, excellent chemical resistance and self-extinguishing fire resistance. Optional characteristics range from high clarity and anti-reflective surface to increased impact resistance. PALCLEAR withstands many chemical agents, and offers many fabrication options due to its convenient mechanical behavior.

[www.PalramAmericas.com](http://www.PalramAmericas.com)

## Main Benefits

- Excellent ink adhesion
- Excellent resistance to chemicals
- Better fire resistance than acrylic or PC
- High light transmission & water-like clarity
- Optional high-impact and UV resistance
- Can be thermoformed, vacuum formed, bent hot or cold, fabricated
- PALCLEAR™ Matte: Anti-glare finish on one side to eliminate reflection



## Typical Applications

- Transparent advertising items
- Indoor signage in populated areas
- High impact glazing
- Machine guards
- Chemically resistant safety glazing
- Fabrication and forming applications
- Anti-glare glazing & frame covers



## Palclear Product Range

Product	Description
PALCLEAR™ Water-Clear	Clear UV stabilized general purpose PVC sheet. PALRAM's famous Water-Clear clarity is now improved with better LT and lower haze
PALCLEAR™ Bluish	Traditional bluish tint
PALCLEAR™ UV	UV protected on one side
PALCLEAR™ HI (High Impact)	Increased impact resistance
PALCLEAR™ Embossed	Prismatic embossed finish on one side
PALCLEAR™ Matte	Matte finish on one side

\*Water-Clear is PALCLEAR's standard color with best availability. The other products listed are available upon request.

## Colors

Transparent	Water-Clear, Bronze, Bluish
Translucent	White Opal, White Diffuser

## Available Dimensions for PALCLEAR Water-Clear

Call Palram for up-to-date availability on unlisted products and run to size orders.

Thickness in. (mm)	Dimensions in.
.040"-.472" (1-12mm)	48.5" x 96.5"

\*Special dimensions are available upon request with minimum order requirements.

## Palclear Advantages When Digitally Printing:

- Printable on 2 sides.
- 2-sided film (or masking) available to protect against dust, dirt & abrasion.
- An ink adhesion promoter is NOT required.

## Flammability

PALCLEAR sheets are self extinguishing and comply with the most demanding international fire resistance standards as indicated in the table at right.

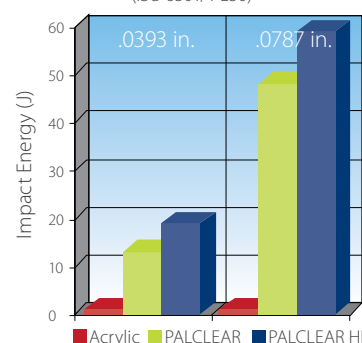
Standard	Classification*
DIN 4102	B-1
BS 476/7	Class 1
NSP 92501,5	M-1, M-2
EC 695.2.1	Self-extinguishing
CSE RF 3/77	Class 1
UL 94	V-0
ASTM D-635	CC1

\*Depends on thickness, color and type.

## Impact Resistance

PALCLEAR and PALCLEAR HI offer a wider choice to designers and fabricators for point of sale and general fabricated items, particularly when compared to the impact properties of acrylic and polystyrene sheets.

Impact Strength Comparison at 73°F (ISO 6301/1 E50)



### PALCLEAR™ Matte

For Anti-Glare Photo Frame Covering

Standard Clear PVC - Glossy

**Glare reflected**

PALCLEAR™ MATTE - Matte

**Glare dispersed**

## Physical Properties

For detailed information on PALCLEAR physical properties please visit: [www.PalramAmericas.com/Palclear](http://www.PalramAmericas.com/Palclear).



**PALRAM AMERICAS**  
9735 Commerce Circle  
Kutztown, PA, 19530 USA



Distributed by:



Toll Free: 1.800.277.7898  
[www.piedmontplastics.com](http://www.piedmontplastics.com)

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.

©1997-2016 PALRAM Industries Ltd. | PALCLEAR is a trademark of PALRAM Industries Ltd.

