

Expanded (Foamed) PVC

Close-celled expanded, foamed polyvinyl chloride

Celtec®, Trovicel®
Sintra®, InteFoam®



Expanded (Foamed) PVC Overview

Expanded PVC, also known as foamed polyvinyl chloride, has an extraordinary combination of features that make it ideal for signage, exhibits, store displays, POP, kiosks, screen printing and more. The surface is a smooth matte finish that makes it ideal to paint or laminate. Sheets are tough, high-strength and lightweight, and can be ordered in a wide range of sizes, thicknesses and colors. Celtec Expanded PVC sheets are free of lead, cadmium, barium and zinc, and have passed all three UL 1975 requirements. Celtec PVC is recommended for industrial and commercial signage. It readily accepts virtually any form of graphic overlay (print, paint and photo mounting). Celtec PVC is also easy to cut and shape, making it a strong choice for three-dimensional exhibits, displays and stage sets.

Expanded (Foamed) PVC Applications

Expanded PVC is a great indoor and outdoor sign material. It's light weight foamed PVC that can be cut, drilled, and line bent like other thermoplastics.

- Signage, exhibits and road signs
- Scale models and theatrical props
- Yachts and composites used for experimental aircraft
- Store displays, POP and Kiosks
- Screen printing

Expanded (Foamed) PVC Features

- Resistant to affects of rain, wind, moisture and sunlight
- Easy to print and paint on, accepts many inks
- Easy to assemble with adhesives and solvents
- Opaque for double faced signs, many colors available
- Easy to cut and shape, rigid
- Highly resistant to moisture and some chemicals
- Cost effective and lightweight. Half the weight of solid PVC.

Expanded (Foamed) PVC Specifications

Specific Gravity	0.55 - 1.4
Flexural Modulus	144,000 - 150,000psi
Tensile Strength	2256 - 3000psi
Rockwell Hardness	n/a
Head Deflection Temperature	135F @ 66psi