

**Product:** PVC Foam

**Product No:** 40100208001100, 401002080011001, 40100208002100, 401002080021001, 40100208003100, 401002080031001, 40100208001075, 40100208002075, 40100208001050, 40100208002050, 401002080012831

**Trade Name:** Closed Cell, Cross-Linked PVC Foam

**Supplier:** Fiberlay Inc.  
1468 Northgate Blvd  
Sarasota, FL 34234  
(206) 782-0660

ORCA PVC is a closed cell, cross-linked PVC foam. It provides superior strength to weight ratio for all composite applications. Other key features of ORCA PVC include outstanding chemical resistance, negligible water absorption, and excellent thermal insulation capabilities. It is compatible with most common resin systems including epoxy, polyester and vinyl ester.

**BENEFITS AND FEATURES:**

- Superior strength and stiffness-to-weight ratio
- Excellent mechanical properties
- Excellent thermal insulation capabilities
- Self-Extinguishing
- Negligible water absorption
- Withstands high process temperatures
- Good adhesion
- Outstanding chemical resistance
- Compatible with Polyester, Vinyl Ester and Epoxy Resins

**APPLICATIONS:**

- Marine (Leisure, Military and Commercial)
- Transportation
- Wind energy
- Civil Engineering and Architectural
- Aircraft
- General Industrial
- Sporting Goods

**-Applicable processing techniques:**

- Vacuum Infusion
- Resin Infusion
- Contact Molding
- RTM

| Type      | Average Density                                  | Sheet Sizes                                   |
|-----------|--|---|
| PVC 40    | 2.5 lb/ft <sup>2</sup> or 40 kg/m <sup>2</sup>   | 52.3" x 112.2" = 40.75 ft <sup>2</sup> /Sheet |
| PVC 60    | 3.8 lb/ft <sup>2</sup> or 60 kg/m <sup>2</sup>   | 45.2" x 96.4" = 30.25 ft <sup>2</sup> /Sheet  |
| PVC 80    | 5.0 lb/ft <sup>2</sup> or 80 kg/m <sup>2</sup>   | 40.1" x 85.8" = 23.89 ft <sup>2</sup> /Sheet  |
| PVC 100   | 6.3 lb/ft <sup>2</sup> or 100 kg/m <sup>2</sup>  | 37.4" x 80.7" = 20.95 ft <sup>2</sup> /Sheet  |
| PVC 130   | 8.1 lb/ft <sup>2</sup> or 130 kg/m <sup>2</sup>  | 33.4" x 74.8" = 17.34 ft <sup>2</sup> /Sheet  |
| PVC 200   | 12.5 lb/ft <sup>2</sup> or 200 kg/m <sup>2</sup> | 29.5" x 63.0" = 12.90 ft <sup>2</sup> /Sheet  |
| PVC HT 60 | 3.8 lb/ft <sup>2</sup> or 60 kg/m <sup>2</sup>   | 45.2" x 96.4" = 30.25 ft <sup>2</sup> /Sheet  |
| PVC HT 80 | 5.0 lb/ft <sup>2</sup> or 80 kg/m <sup>2</sup>   | 40.1" x 85.8" = 23.89 ft <sup>2</sup> /Sheet  |

All data, statement, and recommendations made herein are based upon information we to be believe to be reliable, but are made without any representation or guaranty or warranty of accuracy and are made with reservation of all patent right. Also statement regarding the use of our products or processes are not to be construed as recommendations for their use in violation of any patents rights or in violation of any application laws or regulations.