



# Pregis

Protective Packaging Solutions



**POLYPLANK®**  
ENGINEERED FOAMS



## POLYPLANK® VALUE PROPOSITION

The PolyPlank family of closed cell polyethylene plank foam products provide customers with a variety of protective solutions designed to meet the specific packing needs of different items across multiple industries and markets. Pregis welcomes the opportunity to partner with customers to develop new and custom products. Our sales representatives also work with fabricators, converters and end-users to provide the right material and the right plank foam solution for each protective packaging need.

## POLYPLANK PERFORMANCE ADVANTAGES

The PolyPlank® family of closed cell polyethylene plank foam products provide customers with a variety of protective solutions designed to meet needs across multiple industries and markets. PolyPlank products are manufactured to high-quality specifications:

- Clean, nonabrasive material properties provides superb surface protection—no scratching or marring.
- Maximum shock absorption and vibration dampening for excellent cushioning and blocking and bracing.
- Uniform product with uncompromised dimensional stability is easy to fabricate into a wide range of shapes, forms and die-cuts.
- Available in varying lengths, densities and thicknesses for precise protection for each application need.
- Homogeneous LDPE (mono material facilitates recycling in the #4 waste stream. Recyclable where accepted).



## MARKET SEGMENTS SERVED

### Electronics

- CPUs
- Display Monitors
- Keyboards
- Disc Drives
- Power Transformers
- Radio Equipment
- Medical Diagnostic Equipment
- Digital/Mechanical Switching Equipment
- Coin Accepting Equipment/ATMs
- Vending Machines

### Automotive

- Bumper Packs
- Windshield Packs
- Parts Separators
- Trim
- Stacking Parts
- Returnable Dunnage

### Case Inserts

- Military Applications
- Display Cases
- Electronic/Delicate Equipment
- Transportable Test Equipment
- Photographic Equipment
- Storage
- Shipping

### Recreational

- Cushion Seats
- Archery Targets
- Snowmobile Seat Pads
- Surfboards
- Canoe And Boat Carriers
- Kickboards
- Pool Lounge Chairs
- Dart Boards

### Miscellaneous

- Cushion Pallets
- Oil Boom Containment
- Metal Building Closure Strips
- Glass Doors And Windshields
- Furniture
- Theater Props







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### PolyPlank LAM Engineered Foam Plank

- PolyPlank is extruded in 1/2" thicknesses and laminated to create varied total thicknesses.
- Laminated foam provides maximum cushioning, excellent dimensional stability and an economical foam plank.

The PolyPlank® family of products are available in standard and custom lengths. Widths range from 24" to 48", with thicknesses ranging from 1/2" – 10", densities from 1 to 9 pounds per cubic foot.

#### PolyPlank LAM Engineered Foam Plank Typical Properties

| Property                          | Test Method          | Units                  | LAM090  | LAM120  | LAM170  | LAM220  |
|-----------------------------------|----------------------|------------------------|---------|---------|---------|---------|
| Type CID-AA-59136 <sup>1</sup>    |                      |                        |         |         | Type I  | Type I  |
| Compressive Strength <sup>1</sup> | ASTM D-3575 SUFFIX D | lb/in <sup>2</sup> 25% | 3.5 - 5 | 3.5 - 5 | 3 - 10  | 5 - 11  |
|                                   |                      | lb/in <sup>2</sup> 50% | 9 - 12  | 10 - 13 | 12 - 15 | 14 - 17 |
| Compressive Set <sup>1</sup>      | ASTM D-3575 SUFFIX B | % 2hrs                 |         |         |         |         |
|                                   |                      | % 24hrs                | 12 - 22 | 12 - 22 | 10 - 25 | 12 - 25 |
| Nominal Density                   |                      | lb/ft <sup>3</sup>     | > 0.9   | > 1.1   | > 1.5   | > 2.0   |



### PolyPlank EXT Engineered Foam Plank

- Produced via an extrusion process which creates a uniform foam with excellent dimensional stability.
- Cushions against repeated impacts and can be engineered with anticipated performance.

#### PolyPlank EXT Engineered Foam Plank Typical Properties

| Property                          | Test Method          | Units                  | EXT180 | EXT220  | EXT400   | EXT600  | EXT900  |
|-----------------------------------|----------------------|------------------------|--------|---------|----------|---------|---------|
| Type CID-AA-59136 <sup>1</sup>    |                      |                        | Type I | Type I  | Type III | Type IV | Type V  |
| Compressive Strength <sup>1</sup> | ASTM D-3575 SUFFIX D | lb/in <sup>2</sup> 25% | 4 - 8  | 5 - 10  | 13 - 20  | 26 - 30 | 46      |
|                                   |                      | lb/in <sup>2</sup> 50% | 14     | 13 - 16 | 16 - 24  | 36 - 43 | 62 - 70 |
| Compressive Set <sup>1</sup>      | ASTM D-3575 SUFFIX B | % 2hrs                 | 21     | 22      | 22       | 24      | 24      |
|                                   |                      | % 24hrs                | 19     | 16      | 16       | 16      | 14      |
| Nominal Density                   | ASTM D-3575 SUFFIX W | lb/ft <sup>3</sup>     | > 1.6  | > 1.9   | > 4.0    | > 6.0   | > 9.0   |

Note: <sup>1</sup> Denotes properties specified in CID-AA59136, (Federal Specification PPP-C-1752D).



## Think Pregis. Think Sustainability.

At Pregis, our goal is to provide customers with a deep breadth of high quality, superior protective packaging solutions while remaining on the forefront of R&D and technology that will continually bring new, innovative protective packaging offerings to the marketplace. We are committed to incorporating and promoting business practices that respect both the earth and the environment.



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### PolyPlank Renew™ Engineered Foam Plank

- Made with a minimum of 60% post industrial content.
- Sustainable solution with no extra cost.



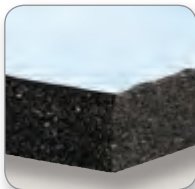
### PolyPlank Kase™ Foam Plank

- Closed cell polyethylene foam for high end, reusable storage and shipping cases.
- Higher cell count significantly improves aesthetics and structural integrity, especially for designs with thin wall sections.



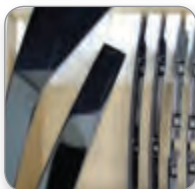
### PolyPlank MDL™ Multi-Density Laminated Foam

- Patented design combines a thin-gauge, high-density PE top-skin with a high-performance, low-density PE foam base for a uniquely designed custom solution.



### PolyPlank Plus™ Two-Step Protective Plank Foam

- Made by combining various substrates (foil, films, paper, nonwovens, scrim, etc) with thicker, multilayer foam to form a custom foam block.
- Wide variety of substrates opens doors to innovative applications and new markets.



### PolyPlank SFT™ Foam Plank

- Specially formulated to provide a "softer" polymer to reduce abrasion protecting "Class A" surfaces.
- Unique foam die cuts and slices more easily than cross-linked foams and is generally more economical.



### PolyPlank LEL Foam Plank

- Contains less than 10% LEL VOC meeting military and other low residual blowing agent specifications.
- Provides the proper level of cushioning to protect against impact, vibrations and other potential hazards during the shipping.



**WORLD CLASS CUSTOMER SERVICE**

Contact Pregis protective packaging solutions:

**877.692.6163**

**www.pregis.com**

