

# Engineered Foam for Fabrication

Nonabrasive, shockproof  
cushioning protection

# 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 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	1 <sup>6</sup>	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).

## 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 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



Pregis manufactures quality extruded and laminated polyethylene foam plank to provide foam fabricators with endless design options.

# PolyPlank® LAM Engineered Foam Plank

- Extruded in varying thicknesses and laminated together for custom thickness or properties
- Laminated foam provides maximum cushioning, excellent dimensional stability and an economical foam plank

## PolyPlank LAM Typical Properties

Property	Test Method	Units	LAM090	LAM120	LAM170	LAM220
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 Renew™ Engineered Foam Plank

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

## 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



The PolyPlank® family of products are available in standard and custom lengths. Widths range from 24" to 48", with thicknesses ranging from ½" – 10", densities from 1 to 9 pounds per cubic foot.



# Products worth protecting deserve Pregis

We are a leading manufacturer of **innovative packaging solutions** and **protective products**.

We solve our customer's toughest business challenges with packaging so they can create customers for life. We do this by delivering **creative solutions to packaging challenges** and leveraging a material neutral portfolio.

Contact us today!

[www.PREGIS.COM](http://www.PREGIS.COM)



## **Inside the Box Protection**

Ready to Use Packaging |  
On Demand Systems – Air, Paper,  
Foam | Foam for Fabrication



## **Mail & Bagging Solutions**

Automated Poly Bagging |  
Automated Cold Seal Packaging |  
Shipping Mailers



## **Surface Protection**

Temporary Protective Films |  
Interleaving Materials | Foam  
Edge Protectors



## **Consultative Services & Training**

Package Design and Testing |  
Custom Integration | Technical  
Support | Sustainable Packaging