Pregis
PolyPlank® LEL

Closed cell polyethylene

Pregis PolyPlank® LEL is closed cell polyethylene foam which contains less than 10% LEL VOC meeting military and other low residual blowing agent specifications.

PolyPlank LEL is available in a variety of densities and formulations to provide the proper level of cushioning to protect against impact, vibrations and other potential hazards during the shipping or handling of military instruments.

Availability:

Densities:

- 2 lbs / cubic ft*
- 4 lbs / cubic ft
- 6 lbs / cubic ft
- 9 lbs / cubic ft

Color:
Charcoal black planks

Size:
2" x 24" x 108"

Other options include:

- Color variation, fire retardant and anti-static
- Also available in 2" x 48" x 108"

End-use applications

- Ammunition
- Instrumentation
- Weaponry
- Case foam

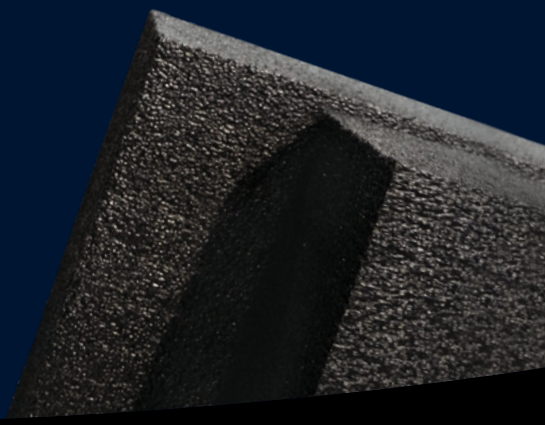
PolyPlank® LEL

PolyPlank LEL is specifically designed to meet or exceed the stringent requirements for today's military applications: Commercial Item Description A-A-59136 for Cushioning Material, Packaging, Closed Cell Foam Plank.

Physical Property	Specification	Test Method
Color	Industry visually acceptable	CID-A-A-59136, para. 3.8
Density	Type I – 2-to 9 pcf ±	ASTM D3575 - Suffix W - Method B
Compressive Strength	Type I – 4 –12 psi	ASTM D3575 - Suffix D
Compressive Set	Maximum 25% at 24 hours	ASTM D3575 - Suffix B
Water Absorption	Not greater than 0.1 psf	ASTM 3575- Suffix L
Constant Compressive Creep	Not greater than 10% loss	CID-A-A-59136, para. 3.10
Electrostatic Decay	Not greater than 2 second decay time	EIA Standard 541, Appendix F
Surface Resistivity	Not less than $1.0x10^{5}$, but not greater than $1.0x10^{12}$	EIA Standard 541, Section 4.3
Dynamic Cushioning	Between upper and lower limits	ASTM D1596
Flammable Blowing Agent Content	Below 10% lower explosive limit (LEL)	Internal Method

Pregis PolyPlank®

Military-Grade Engineered Foam Plank



Pregis PolyPlank® extruded polyethylene military-grade foam plank solutions deliver high-performance protection for mission-critical aerospace and defense needs.

Engineered for durability, resilience, and impact resistance, PolyPlank is available in various densities and formulations to shield sensitive instruments and equipment from shock, vibration, and other hazards.

Trusted by foam fabricators, it meets rigorous military standards for consistent, reliable protection.

Pregis PolyPlank® LEL

Contains less than 10% LEL VOC meeting military and other low residual blowing agent specifications

Color:

- Charcoal black

Densities:

- 2 lbs / cubic ft
- 4 lbs / cubic ft
- 6 lbs / cubic ft
- 9 lbs / cubic ft

Pregis PolyPlank® Fire Retardant

Chemically treated to be slow-burning or self-extinguishing when exposed to open flame

Color:

- Ivory

Densities:

- 2 lbs / cubic ft

Pregis PolyPlank® Fire Retardant Anti-Static

Fire Retardant foam offering ample protection with non-static properties

Color:

- Blue/Grey

Densities:

- 2 lbs / cubic ft

Applications:

- Ammunition
- Weaponry
- Instrumentation
- Case Foam

Sizes:

- 2" x 24" x 108"
- 2" x 48" x 108"*

*available for LEL only

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Pregis PolyPlank®

Military-Grade Engineered Foam Plank

PolyPlank military-grade foam plank solutions are specifically designed to meet or exceed the stringent requirements for today's military applications: Commercial Item Description A-A-59136 for Cushioning Material, Packaging, Closed Cell Foam Plank.

Physical Property	LEL Specification	Fire Retardant Specification	FRAS Specification	Test Method
Color	Industry visually acceptable	Industry visually acceptable	Industry visually acceptable	CID-A-A-59136, para. 3.8
Density	Type I – 2-to 9 pcf ±	Type I- 2.0 pcf	Type I- 2.0 pcf ±	ASTM D3575 - Suffix W - Method B
Compressive Strength	Type I – 4 –12 psi	Type I- 4 -12 psi	Type I- 4 -12 psi	ASTM D3575 - Suffix D
Compressive Set	Maximum 25% at 24 hours	Maximum 25% at 24 hours	Maximum 25% at 24 hours	ASTM D3575 - Suffix B
Water Absorption	Not greater than 0.1 psf	Not greater than 0.1 psf	Not greater than 0.1 psf	ASTM 3575- Suffix L
Constant Compressive Creep	Not greater than 10% loss	Not greater than 10% loss	Not greater than 10% loss	CID-A-A-59136, para. 3.10
Electrostatic Decay	Not greater than 2 second decay time	Not greater than 2 second decay time	No greater than 2 second decay time	EIA Standard 541, Appendix F
Surface Resistivity	Not less than 1.0×10^5, but not greater than 1.0×10^{12}	N/A	Not less than 1.0×10^4 but not greater than 1.0×10^{11}	EIA Standard 541, Section 4.3
Dynamic Cushioning	Between upper and lower limits	Between upper and lower limits	Between upper and lower limits	ASTM D1596
Flammable Blowing Agent Content	Below 10% lower explosive limit (LEL)	100% of LEL for dimensionally stable fabrication	100% of LEL for dimensionally stable fabrication	Internal Method
Flame Response	N/A	Part 25, Appendix F Part I(a) (1) (ii)	Part 25, Appendix F Part I(a) (1) (ii)	FAR 25.853a
		225 @ 2.0" Thick	TBD	ASTM-E162
		300 @ 1" Thick	TBD	
		HF-2 Classification per UL94 Section 12, Table 12.1	HF-2 Classification per UL94 Section 12, Table 12.1	UL-94 HF
		Max 102mm/min burn rate	Max 102mm/min burn rate	FMVSS-302

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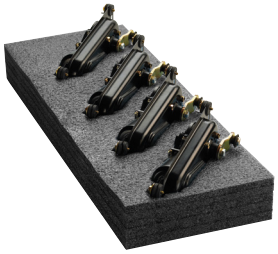
PolyPlank Renew®

Non-abrasive, shock-resistant, cushioning protection

Made Using Post-Industrial Recycled Content

PolyPlank Renew® Engineered Foam Plank

- Minimum 60% post-industrial recycled content
- Incorporation of recycled content decreases virgin material use, lowers energy consumption during the manufacturing process, and reduces landfill waste
- Extruded in several thicknesses and densities. Laminated for multiple thicknesses and varying properties
- Laminated foam provides maximum cushioning, excellent dimensional stability and an economical foam plank



PolyPlank LAM Typical Properties

Property	Test Method	Units	LAM170	LAM220
Compressive Strength	ASTM D-3575 SUFFIX D	lb/in^2 25%	3 - 10	5 - 11
		lb/in^2 50%	12 - 15	14 - 17
Compressive Set	ASTM D-3575 SUFFIX B	%	<22	<22
Nominal Density		lb/ft^3	> 1.5	> 2.0

Minimum 60% post-industrial recycled content

Cost-effective

Easy-to-use

Markets

Electronics
Home Goods
Automotive
Light Industrial

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PolyPlank® Kase™

Engineered Foam

Pregis Polyplank® Kase™ foam is a second generation, closed cell polyethylene foam specifically produced to meet the needs of designers and manufacturers of high end, reusable storage and shipping cases.

PolyPlank Kase foam is manufactured with a higher cell count which significantly improves the visual aesthetics and structural integrity of the foam. Color and density control are optimized to ensure color and cell count consistency. This consistency along with the fine cell structure of the foam produces a smooth surface that looks great throughout the fabrication process and offers exceptional stability and strength.

The high yield, outstanding foam quality and appearance make PolyPlank Kase the perfect choice for designs that incorporate thin wall sections.

Structural integrity

Dimensional stability

Strength

END USE APPLICATIONS

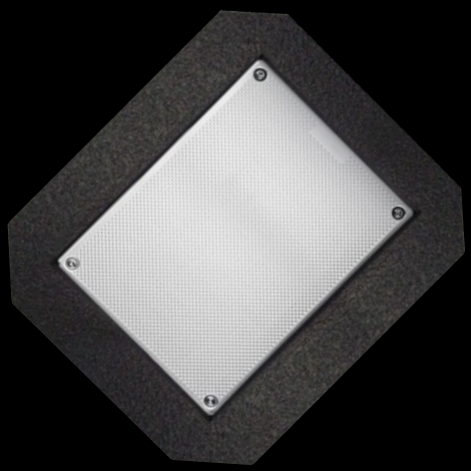
- Commercial and military reusable storage and shipping cases
- Industrial instrument display and storage cases

AVAILABILITY

- Densities: 2.2 lbs/cubic ft.
- Color: Charcoal Black
- Size: 2” x 48” x 108"; 3” x 48” x 108”

OPTIONS:

- Can be produced to meet the military low LEL requirements
- Custom skived to exact thickness
- Custom laminations



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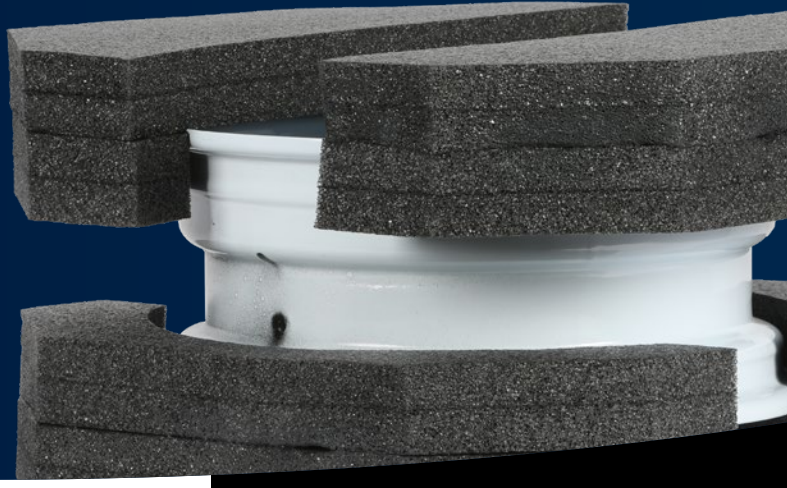
PolyPlank® SFT

Non-Abrasive Foam Plank



Pregis PolyPlank® SFT foam plank is specially formulated with a fine cell count to provide a "softer" polymer. The softer cell walls reduce abrasion to protect "Class A" surfaces. This unique foam die cuts and slices more easily than cross-linked foams and is generally more economical.

Shock and vibration protection

Dimensional stability

Easy to use

FEATURES

- Fine cell count polyethylene foam plank provides superb surface protection.
- No product scratching or marring, yet more economical than cross-linked foams.
- Maximum shock absorption and vibration dampening for excellent cushioning, blocking and bracing.
- Uniform product with uncompromised dimensional stability is easier to fabricate than cross-linked foams.
- Create a wide range of shapes, forms, and die-cuts for an attractive packaging appearance.
- Resilient, insulative and impact sound deadening.
- Clean, non dusting, lightweight inert foam.
- Chemical and water-resistant.
- Homogeneous LDPE 4 is recyclable.

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