



Microfoam® is a polypropylene(pp) foam with a high coefficient of friction and lightweight properties that performs great when used for: surface protection, interleaving, cushioning, void fill and insulation.

**Microfoam is the sustainable foam packaging alternative:**

- Manufactured with less PP resin than the same thickness in polyethylene (PE)
- Lighter weight alternative packaging materials – less fuel consumed in transit
- No curing agents used, so no grease transfer to product
- Non-flammable blowing agent is recovered and reused
- 100% recyclable
- Photodegradable: Exposure to UV sunlight breaks down PP unlike PE
- Chemically inert: no harmful chemicals produced upon degradation

Microfoam performance properties and sustainable advantages make it a perfect alternative to polyethylene foam.



**Microfoam application comparison**

Application	Microfoam® Polypropylene Sheet Foam	Polyethylene Sheet Foams
Interleaving	Excellent	Good
Surface protection	Excellent	Good
Cushioning	Excellent	Excellent
Void fill	Excellent	Good
Insulation	Excellent	Good
Sustainable packaging	Excellent	Good



**THINK SUSTAINABILITY, THINK PREGIS™**

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.



## MICROFOAM PERFORMANCE FEATURES

Property	Microfoam™ polypropylene sheet foam	Polyethylene sheet foam
Abrasion	Excellent	Good
Surface CoF	High	Low
Tear	Good	Excellent
Resilient	Excellent	Excellent
Water Resistance	Excellent	Excellent
Fungus Resistance	Excellent	Excellent
Chemical Neutrality	Excellent	Good
Dust Free	Excellent	Excellent
Thermal Efficiency	Excellent	Good
Thermal Stability	Excellent	Fair
Light Weight	Excellent	Good/Fair
Compression Resistance	Good	Excellent
Recyclability	Excellent	Excellent
<b>Coefficient of friction (scale .00 — 1.0)</b>		
Lacquered Wood	0.47	0.42
Glass	0.75	0.75
Corrugated	0.35	0.28
Metal	0.60	0.42
<b>Insulation rating</b>		
R-Rating at 1" Thickness	3.7	3.4
<b>Vapor transmission</b>		
H <sub>2</sub> O Vapor (g/100 in <sup>2</sup> /24 hr)	7.3	2.8
Oxygen (cc/100 in <sup>2</sup> /24 hr)	1,475	940
CO <sub>2</sub> (cc/100 in <sup>2</sup> /24 hr)	5,000	4,470
Water Absorption (lbs/ft <sup>2</sup> )	.04	.02
<b>Melting point</b>		
Melting Point (°F)	320°	228°

Contact Pregis protective packaging solutions:

**877.692.6163**  
[www.pregis.com](http://www.pregis.com)

