



Phone: 574-968-8268  
Fax: 574-970-0926  
E-mail: [info@worldcellextrusions.com](mailto:info@worldcellextrusions.com)

Corporate Headquarters:  
1741 Conant Street  
Elkhart, IN 46516

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## Worldshield™

**Worldshield™** is made from soft irradiated XLPE inline-laminated to Worldcell® PP foam sheets. Worldshield™ is produced in two main variants:

1. Inline-laminated with **static control** irradiated XLPE to help shield electronic parts
2. Inline-laminated with **non-static control** irradiated XLPE to protect very delicate parts from surface damage

**Worldshield™** is manufactured with a 19lb, 2mm Worldcell® blend, inline laminated to irradiated XLPE (comparable with Volara grade). When the two materials are laminated together, they become a durable and economic option that can be used in many reusable packaging applications. Because no adhesive glue is used, the bond is remarkably strong and heat resistance.

Similar to our Worldcell® materials, Worldshield™ provides:

- Class “A” friendly surface protection
- Higher strength consistency in all directions across the sheet due to its non-directional structures
- No open flutes that can trap dirt or moisture which can cause contamination
- Quicker processing for fabrication methods such as die cutting, waterjet cutting, ultrasonic welding, heating sealing, and thermoforming
- 48” x 96” stock size for immediate shipment
- Reach & RoHS approved

# Size, Density, & Availability

**The below items are typically in stock and available to ship with a 1-day lead time:**

Product Code	Item Description
WC-19-2-48-96-BU-L608SC	19lb. Worldcell™, 2mm x 48 x 96, blue w/ 6lb. 0.8mm static control XLPE 1-side
WC-19-2-48-96-BU-L608BU	19lb. Worldcell™, 2mm x 48 x 96, blue w/ 6lb. 0.8mm blue irradiated XLPE 1-side

**Other laminates are available with a low minimum order of 5,000 sqft and a 2-3 week lead time**

Product Code	Item Description
WC-19-2-48-96-BU-L608NA	19lb. Worldcell™, 2mm x 48 x 96, blue w/ 6lb. 0.8mm natural irradiated XLPE 1-side
WC-19-2-48-96-BU-L608CH	19lb. Worldcell™, 2mm x 48 x 96, blue w/ 6lb. 0.8mm charcoal irradiated XLPE 1-side
WC-19-2-48-96-BU-L401CH	19lb. Worldcell™, 2mm x 48 x 96, blue w/ 4lb. 1.0mm charcoal irradiated XLPE 1-side
WC-19-2-48-96-BU-L401NA	19lb. Worldcell™, 2mm x 48 x 96, blue w/ 4lb. 1.0mm natural irradiated XLPE 1-side
WC-19-2-48-96-BU-L401BU	19lb. Worldcell™, 2mm x 48 x 96, blue w/ 4lb. 1.0mm blue irradiated XLPE 1-side

**Width of 48” and length of your choice 12”-120” also available with the 5,000 sqft min.**

## Typical Properties

		Test Method	Unit of Measure	19lb. 2mm laminated to 6lb. 0.8mm irradiated XLPE	19lb. 2mm laminated to 4lb. 1.0mm irradiated XLPE
Flexural	MD	ASTMD790-10	MPa	7.5	8.5
Strength	TD	ASTMD790-10	MPa	6.5	6.5
Flexural	MD	ASTMD790-10	MPa	290	330
Modulus	TD	ASTMD790-10	MPa	205	205

**If you are interested in receiving a sample of our Worldshield™ materials please contact [info@worldcellextrusions.com](mailto:info@worldcellextrusions.com)**