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Worldcell®

Worldcell® is a closed cell extruded polypropylene blend sheet that provides excellent surface protection. It is an ideal material for abrasion sensitive parts in returnable packaging. This material is manufactured by Worldcell® Extrusions in North America and is stocked in various grades. Compared to other sheet plastic materials, as well as plastic corrugated widely used in dunnage, Worldcell® provides:

- Smooth surface that provides excellent impact resistance (Class “A” friendly)
- Higher strength consistency in all directions across the sheet due to its non-directional structures
- FDA approved without the need to seal the edges
- 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, heat sealing, and thermoforming
- 100% recyclable material; ask us about our recycling program!
- 48” x 96” stock size; custom lengths available
- Stock sheets are blue; custom colors available
- Reach & RoHS approved



100 % Recyclable Material

Typical Properties

Item		Unit of measure	Thickness (mm)								
			2	3	4	5	2	3	4	5	
Density		Test Method	2 times expansion 460 kg/m ³ or 29lb/ft ³				3 times expansion 305 kg/m ³ or 19lb/ft ³				
Flexural Strength	MD	ASTM D790-10	Mpa	14	12	8	8	18	15	15	12
	TD	ASTM D790-10		9	9	5	5	11	11	11	11
Flexural Modulus	MD	ASTM D790-10		630	612	333	315	540	630	630	540
	TD	ASTM D790-10		630	405	180	180	360	540	540	495

**Recorded values are in Mpa (megapascals)

MD = Machine Direction (length)

TD = Transverse Direction (width)