ULTRA 35SS

CLEAR POLYVINYL PRINT MEDIA

Product Description

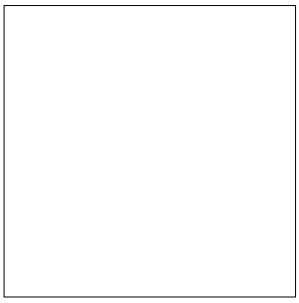
G-Floor Graphic® Ultra™ product line is a one-of-a-kind product designed as a sheet-fed or grand-format print media. It is suitable for a wide range of permanent and free floating applications, such as way-finding graphics, counter top mats, POP floor graphics, and more. It is tear and puncture resistant, can be placed over grout lines, and handles heavy foot traffic. It is specifically designed for all types of printers - both solvent and UV curable and is best suited for first surface printing.

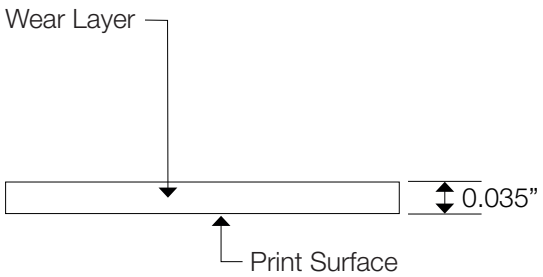
Product Information *(all sizes and weights are nominal)*

Surface Texture:	Super Smooth™	**Composition:**	Homogeneous Polyvinyl
Color:	Clear	**Weight:**	4 oz/sqft
Overall Thickness:	35 mil (0.035”)	**Finish:**	Satin
Wear Layer Thickness:	35 mil (0.035”)	**Installation Method:**	Loose Lay, Glue Down
Stock Sizes:	54 in x 61 ft	**Maintenance Options:**	Mild Soap, Vinyl safe cleaner
		Warranty:	3-Year Limited Warranty See warranty for more details.

Made in the USA

Product Structure *(all measurements are nominal; not to scale)*





Better Life Technology® stands behind the quality of this product. Better Life Technology® cannot, however, guarantee the finished results because Better Life Technology® exercises no control over individual operating and production procedures. While technical information and advice on the use of this product is provided in good faith, the user bears sole responsibility for selecting the appropriate product for their end use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life cycle from printing, post print processing, and shipment to end use. This product has been specially formulated for screen and digital printing, and it has not been tested by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from Better Life Technology®.

www.bltllc.com • **913.894.0403** • customerservice@bltlllc.com

© Better Life Technology | GFG052211016

ULTRA 35SS

SOLID POLYVINYL PRINT MEDIA

Testing Data

DESCRIPTION	STANDARDS	REQUIREMENTS	RESULTS
Performance Specifications			
Abrasion resistance	ASTM D4060	< 1.0 gm loss	Pass
Chemical Resistance	ASTM F925	No more than “Slight Change”	Pass
Dimensional stability	ASTM F2199	≤ 0.020"/Linear Foot	Pass
Edge Lift	EN 433	≤ 1.5"	Pass
Flexibility	ASTM F137	> 1.5"	Pass
Heat Resistance	ASTM F1514	Average & Max ΔE < 8.0	Pass
Light Resistance	ASTM F1515	Average & Max ΔE < 8.0	Pass
Moisture Resistance	-	-	Pass
Puncture Resistance	EN 388	≥ 50 lbf	Pass
Residual Indentation	ASTM F1914	≤ 0.007”	Pass
Short-Term Indentation	ASTM F970	≤ 0.005"	Pass
Slip Resistance	ASTM D2047	≥ 0.5	Pass
Static Load Resistance	ASTM F970	±0.005”, 250-Lbs. Load	Pass
Fire Specifications			
Critical Radiant Flux	ASTM E648	Class I: ≥ 0.45 W/cm2	Pass
Federal Motor Vehicle Safety	Standard #302	-	Pass
Flame Spread	FMVSS 302	≤ 102 mm/Minute	Pass
Flammability	ASTM D2859	Not to extend within 1.0"	Pass
Smoke density	ASTM E662	Flaming & Non-Flaming ≤ 450	Pass
Environmental Specifications			
Fungi Resistance:	ASTM G-21	≤ 2	Pass
Low VOC Emissions	-	-	Pass
Recycling	-	-	Suitable

⚠ **WARNING:** Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

ULTRA 35SS

SOLID POLYVINYL PRINT MEDIA

Environmental Considerations

Material Temperature Range for application settings: -15 to 160 degrees F. Material remains pliable in cold conditions. May shock fracture in cold environment.

Material Acclimation/Optimum Print Temperature Range

All material must be unpackaged and acclimated in the print environment for 24 hours before printing. All remaining material should be rolled tight on the original core and placed back in the original tube. Better Life Technology® is not responsible for material stored improperly or material that has not properly acclimated.

Printers Note: Cooler temperatures can slow the recovery rate for the material to lay flat, resulting in a “wavy” material when laid down. Warming material will quickly bring it to a relaxed state for optimum printing. For best results, let the material acclimate to room temperature prior to printing.

Optimum Print Temperature Range: 65º to 110º F

Print Options

G-Floor Graphic® print media is designed for the digital and screen printing processes. Other processes may apply with custom approved testing results.

Digital Printing: G-Floor Graphic print media can be printed on using flatbed and roll-to-roll formats with no less than 0.60” material thickness tolerance. Both solvent and UV curable inks are suitable for vinyl substrates. Ink curing should not exceed 180º F as excessive heat can cause a cupping effect to the print media material. Speeding up the print carriage and/or decreasing the number of print head passes will resolve excessive heat-related issues.

Screen Printing: Both solvent and UV curable inks are approved for use in screen printing with G-Floor Graphic print media. Ink curing should not exceed 225º F, and it is recommended to cure at the highest speed possible through the curing unit. Excessive heat exposure from the curing unit or the curing bed can cause the material to become damaged.

When using UV inks: Use a 60 durometer or 70 durometer squeegee, 305-355 mesh plain weave.
When using Solvent inks: Use a 60 durometer or 70 durometer squeegee, 155 - 230 mesh plain weave.

Finishing

It is recommended to use flatbed finishing equipment with reciprocating knives when cutting G-Floor Graphic print media. Cold Steel Rule Die Cutting is also approved as a finishing product with G-Floor Graphic print media. Routing is not recommended as excessive heat from routing may cause the material to produce undesirable edges.

Durability/Weathering

Better Life Technology warrants that G-Floor Graphic print media will be free from defects in material and workmanship. This 3-year limited warranty only covers the material, prior to any alterations such as printing or cutting. The clear print media is recommended for indoor use only. The solid color print media must be permanently adhered and properly sealed if used outdoors. Extended exposure to water may cause temporary material blushing. Material will return its clarity once dry.

User Information

While technical information and advice on the use of this product is provided in good faith, the user bears sole responsibility for selecting the appropriate product for their end-use requirements. See full disclaimer at the end of this document.