

Lenticular Sheet

3D and Motion Effect Imaging

Product Description

Our lenticular material is a clear, print-grade plastic sheet that has a series of longitudinal lenses extruded into the surface that can produce 3-D, flip, animation, or morph effects. Lenticular printing creates an illusion of depth or motion, making it ideal for marketers, advertisers and printers that want to make an impact with their graphic arts materials.

Technical Properties

Property	Test Method	Value
Resin		55 Series - APET 65 Series - PETG
Yield Factor @0.018" polish/polish		55 Series – 1,157 in ² /lb 65 Series - 1,211 in ² /lb
Surfaces		Top side – Smooth, gloss Bottom side – lenticular lens
Sheet Length Range (Lens Direction or LD)		Min – 19" (483 mm) LD Max – 100" (2,540 mm) LD
Sheet Width Range		Min – 19" (483 mm) LD Max – 47" (1,194 mm) LD
Surface Tension		Natural ST= 42 dyne
Sheet Length tolerance		-0, +0.0625" (1/16", 1.6 mm)
Sheet Width tolerance		-0, +0.0625" (1/16", 1.6 mm)

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LPI Option and Thickness Ranges

LPI	Optimal gauge	Minimum Gauge	Maximum Gauge	Optimal Viewing Angle
133.3	10.0 mil	9.5 mil	12.0 mil	49°
100	13.0 mil	11.0 mil	15.5 mil	48°
100-3D	20.5 mil	19.9 mil	21.1 mil	38°
75	18.5 mil	15.0 mil	22.0 mil	49°
75-3D	26.0 mil	20.0 mil	32.0 mil	34°
60 wide	21.5 mil	17.5 mil	25.0 mil	53°
60 medium	30.0 mil	24.0 mil	36.0 mil	39°
60 narrow	36.0 mil	28.0 mil	40.0 mil	35°
50 Hi-Def.	22.8 mil	18.0 mil	28.0 mil	54°

Lenticular Sheet Considerations

- Available in sheets or rolls
- Lenticules are parallel to the sheet length
- Standard pallet design – two-way forklift entry, one inch minimum perimeter from edge of pallet to sheet, corner boards, and stretch wrap. Special packaging available upon request.

For additional information, please contact Spartech at 800-677-4338 (800-67-SHEET), e-mail info@spartech.com or visit our website at www.spartech.com

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