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 mil	Minimum Gauge mil	Maximum Gauge mil	Optimal Viewing Angle °
100	14.00	13.00	15.50	48
100-3D	20.50	19.90	21.10	38
75	18.50	15.00	22.00	49
75-3D	26.00	20.00	32.00	34
60 Wide	21.50	17.50	25.00	53
60 Medium	30.00	24.00	36.00	39
60 Narrow	36.00	28.00	40.00	35
50 (max width 20”)	22.80	18.00	28.00	54

Lenticular Sheet Considerations

• Available in sheets or rolls

• Lenticules are parallel to the sheet length

• Standard pallet design – two-way fork lift 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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