

## PRODUCT GUIDE

Highly visual and eye-catching. Brings images alive.



## POLYCASA® LENTICULAR® SETS YOUR PRODUCT APART IN A HIGHLY VISUAL MARKETPLACE BY BRINGING IMAGES ALIVE.

Using a visually stimulating graphic approach allows advertisers to put their message into motion — leading to captivated consumers.



### PRODUCT IDENTIFICATION

Polycasa LENTICULAR is a range of extruded Polyethyleneterephthalate Glycol (PETG) sheets from Polycasa, specially created for lenticular use.

This dynamic technology leads to unique opportunities to create dramatic multi-imaging visual effects including displaying before and after images; making a logo or product jump out of the page; showing animation or action video sequences; adding 3D to a graphic or typography; and morphing one image into a completely different one.

Polycasa LENTICULAR comes in a range of three grades, with LPIs ranging from 60LPI, 75LPI and 100LPI, making it suitable for all kinds of standard and special format applications.

It's ideal for the promotional, packaging and point of purchase display industries.

### CHARACTERISTICS

Here are the key features of Polycasa LENTICULAR which make it so attractive:

- Brilliant clarity.
- Excellent ink adhesion.
- Stable sheet dimensions.
- High-impact strength.
- Good chemical resistance.
- Environmentally safe.
- Recyclable.
- Meets current food contact legislation.

### APPLICATIONS

Polycasa LENTICULAR is so versatile that the applications are virtually endless. Here's a small selection of the possibilities:

- Advertisements.
- Brochures and flyers.
- Displays and posters.
- Packaging.
- Business cards.
- Covers for CDs, DVDs and books.
- Promotional gifts.

Polycasa LENTICULAR experts are available to discuss your particular application and which effect you are going to implement, and advise which grade is most suitable.

### SPECIAL EFFECTS

With Polycasa LENTICULAR you can implement the following stunning special effects to capture the viewer's attention:

- Real 3D.
- Animation.
- Zoom.
- Flip.
- Morphing.

### QUALITY

Polycasa LENTICULAR is manufactured from SPECTAR™ PETG, a high-quality material produced by the Eastman Chemical Company.

When using LENTICULAR sheet, good quality control and stable production environments are vital. At Polycasa we have strict quality control 'specifications' in place to ensure optimal and consistent quality of each production batch of Polycasa LENTICULAR.

In particular we pay critical attention to the key quality criteria of dimensional accuracy, perpendicularity and stable flatness.

### COMPLIANCE

Polycasa LENTICULAR complies with the following:

- SVHC (Substances of Very High Concern).
- REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals).
- FDA (Food & Drug Administration).

## PRODUCT RANGE

POLYCASA LENTICULAR sheet is supplied in the following specifications:

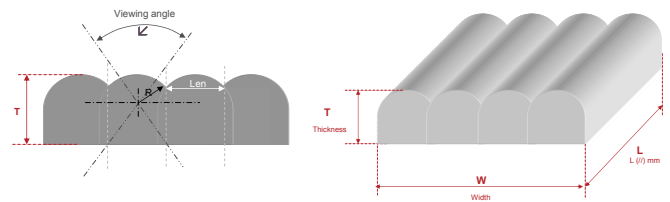
Grade	60LPI	60LPI-3D	75LPI	100LPI
Lenses per inch (LPI)	60	60	75	100
Thickness, T (mm)	0.508	0.685	0.465	0.355
Viewing angle	54°	40°	49°	42°
Width of lenticule, Len (mm)	0.423	0.423	0.337	0.252
Sheet size (mm)*	510 (//) x 710 710 (//) x 510	510 (//) x 710 710 (//) x 510	510 (//) x 710 710 (//) x 510	510 (//) x 710 710 (//) x 510
Max. sheet size (mm)	1000 (//) x 760	1000 (//) x 760	1000 (//) x 760	1000 (//) x 760
Min. sheet size (mm)	480 (//) x 500	480 (//) x 500	480 (//) x 500	480 (//) x 500
No. of sheets/pallet	1000	750	1000	1500

\*Other sheet sizes on request. Please note: L (//) x W (L//) = Length = parallel lenses)

## TECHNICAL INFO

Properties	Method	Unit	POLYCASA LENTICULAR
Rockwell hardness	D-785	R scale	105
Light transmission	5036	%	88
Tensile modulus	53455	MPa	2200
Density		g/cm <sup>3</sup>	1.27

Values are based on measurements taken on 3 mm flat PETG SPECTAR™ sheet.



## SUPPLY

Our strategically located production site in central Germany allows us to manufacture and deliver Polycasa LENTICULAR sheet within attractive timeframes.

Standard formats are available from our extensive stock. Custom formats and special thicknesses available on request and can be produced and delivered within the shortest lead times.

## YOUR PARTNER IN INNOVATION

Take full advantage of our experience and expertise in lenticular printing materials, processes and applications.

We can supply you with consistent high quality Polycasa LENTICULAR to ensure stable and optimal results.

Contact us for more details on our supply and services, and how Polycasa can be your partner in innovative printing.





**POLYCASA**

YOUR HOME  
FOR PLASTICS  
AND COMPOSITES

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