PRODUCT GUIDE
Highly visual and eye-catching. Brings images alive.
POLYCASĂ® 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.

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 IDENTIFICATION
Polycasa LENTICULAR is a range of extruded Polyethylene terephthalate 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.
PRODUCT RANGE

POLYCASA LENTICULAR sheet is supplied in the following specifications:

<table>
<thead>
<tr>
<th>Grade</th>
<th>60LPI</th>
<th>60LPI-3D</th>
<th>75LPI</th>
<th>100LPI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lenses per inch (LPI)</td>
<td>60</td>
<td>60</td>
<td>75</td>
<td>100</td>
</tr>
<tr>
<td>Thickness, T (mm)</td>
<td>0.508</td>
<td>0.685</td>
<td>0.465</td>
<td>0.355</td>
</tr>
<tr>
<td>Viewing angle</td>
<td>54°</td>
<td>40°</td>
<td>49°</td>
<td>42°</td>
</tr>
<tr>
<td>Width of lenticule, Len (mm)</td>
<td>0.423</td>
<td>0.423</td>
<td>0.337</td>
<td>0.252</td>
</tr>
<tr>
<td>Sheet size (mm)*</td>
<td>510 (L/1) x 710</td>
<td>510 (L/1) x 710</td>
<td>510 (L/1) x 710</td>
<td>510 (L/1) x 710</td>
</tr>
<tr>
<td>Max. sheet size (mm)</td>
<td>1000 (L/1) x 760</td>
<td>1000 (L/1) x 760</td>
<td>1000 (L/1) x 760</td>
<td>1000 (L/1) x 760</td>
</tr>
<tr>
<td>Min. sheet size (mm)</td>
<td>480 (L/1) x 500</td>
<td>480 (L/1) x 500</td>
<td>480 (L/1) x 500</td>
<td>480 (L/1) x 500</td>
</tr>
<tr>
<td>No. of sheets/pallet</td>
<td>1000</td>
<td>750</td>
<td>1000</td>
<td>1500</td>
</tr>
</tbody>
</table>

*Other sheet sizes on request. Please note: L (L/1) = Length = parallel lenses

TECHNICAL INFO

<table>
<thead>
<tr>
<th>Properties</th>
<th>Method</th>
<th>Unit</th>
<th>POLYCASA LENTICULAR</th>
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<tbody>
<tr>
<td>Rockwell hardness</td>
<td>D-785</td>
<td>R scale</td>
<td>105</td>
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<tr>
<td>Light transmission</td>
<td>5036</td>
<td>%</td>
<td>88</td>
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<tr>
<td>Tensile modulus</td>
<td>53455</td>
<td>MPa</td>
<td>2200</td>
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<tr>
<td>Density</td>
<td>g/cm³</td>
<td></td>
<td>1.27</td>
</tr>
</tbody>
</table>

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.