

LENTICULAR® 100LPI

Polyethylene Terephthalate Glycol Comonomer

Polycasa

Message:

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

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

APPLICATIONS

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

COMPLIANCE

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

General Information	
Features	Environmentally Sound
	Excellent Printability
	Food Contact Acceptable
	Good Chemical Resistance
	High Clarity
	High Impact Resistance
	Opticals
	Recyclable Material
Uses	Decorative Displays
	Displays
	Lenses
	Media Packaging
	Packaging
	Printing Sheet
	Protective Coverings

Agency Ratings	EC 1907/2006 (REACH)
	EC 1907/2007 (REACH)
	FDA Unspecified Rating

Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	
Density - Lenses per inch	100 LPI		
Sheet Thickness	355.0	μm	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	DIN 53455
Optical	Nominal Value	Unit	Test Method
Transmittance	88.0	%	DIN 5036

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