

Previously branded as:
CAROCLEAR IMPACT LENS

Description

Vitasheetgroup's Amorphous Polyethylene Terephthalate (APET) is a super clear polymer used extensively for the packaging industry. It has excellent clarity not matched by any other polymer, coupled with the stiffness similar to Polycarbonate.

The Viprint Clear impact lens 70 Lpi is lenticular sheet allowing 3 D, morphing or Flip effect. Vitasheetgroup's excellent lens positioning and consistency guarantee very good effect and processing.

Applications

Boxing, printing, promotion.

Key Features

Certification/Approvals

The following approvals are available (depending on colour) on request:

Toy: EN 71 part 3.

ROHS: European Legislation 2002/95/EC.

Printing

Screen printing and offset printing.

Conversion

Guillotine cutting: Can be cut on traditional printing guillotine with double-edged blade.

Welding: Different techniques can be used to weld film to ViPrint Clear(Thermal, Ultrasonic, "hot air").

Gluing: ViPrint Clear can be glued with PUR glue or hot melt.

Product Availability

Colour

Clear.

Finish

One side gloss optimised for printing, one side embossed at 70 lens per inch.

Thickness

0,49 mm.

Sheet Size Specifications

Gauge	Sheet sizes	
	Width	Length
0,49 mm	520/1200 mm	500/1200 mm

Note: Please ask sales department for lens position available depending on sheet size

Stock Service:

This product is available from stock on the following sizes :
510 mm x 710 mm, lens parallel to 510 mm
510 mm x 710 mm, lens parallel to 710 mm

Physical properties

Properties	Unit	Standard	Method	Value
Density	g/cm ³	ISO 1183	-	1.27
Izod (Unnotched) Impact Strength	kJ/m ²	ISO 180	1U at 23°C	50
Tensile Strength	MPa	ISO 527	50 mm/min	30
Elongation at Break	%	ISO 527	50 mm/min	300
Modulus of Elasticity	MPa	ISO 527	50 mm/min	2000
Vicat Softening Point	°C	ISO 306	A120/oil	80
Water Vapour Transmission Rate	g/m ² /24 h	ASTM	F372	6
Permeability CO ₂	cm ³ .m m/24.m ² .atm	ASTM	D1434	49
Permeability O ₂	cm ³ .m m/24.m ² .atm	ASTM	D1434	10

The density value can change depending upon the type and quantity of pigments or additives used.

