

### Description

VitasheetGroup's Polyethylene Terephthalate (PET) is a super clear copolymer used extensively for the packaging industry. It has excellent clarity, coupled with the stiffness similar to Polycarbonate. It also has good gas permeation properties.

The ViPrint Clear range is designed for printing and boxing applications. It keeps its printing ability for a long period thanks to the naturally high surface tension of APET. The ViPrint Clear 434 takes the best of PETG and APET. It has the external characteristics of PETG (Sealability, easy cutting...) thanks to its external PETG layer while its APET core reduce the global cost of the sheet.

### Applications

Boxing, printing, promotion.

### Key Features

### Certification/Approvals

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

Food: European Legislation 2002/72/EC.

Toy: standards EN 71 part 3.

ROHS: European Legislation 2002/95/EC.

### Printing

Screen printing and Offset Litho printing.

### Conversion

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

Creasing : Cold and hot creasing technique can be used depending on the thickness.

Welding : Different techniques can be used to weld film to Viprint (Thermal, Ultrasonic, Hot Gas).

Gluing : Viprint can be glued with PUR glue or hot melt

### Product Availability

#### Colour

Clear.

#### Finish

Gloss G 33 (Sand finish G 34 is available for 3 T order minimum).

#### Thickness

0.3 mm to 0.6 mm.

#### Sheet Size Specifications

Gauge	Sheet sizes	
	Width	Length
0.3 to 0.6 mm	680/820 mm	520/1200 mm

### Physical properties

Properties	Unit	Standard	Method	Value
Density #	g/cm <sup>3</sup>	ISO 1183	-	1.31
Izod (Unnotched) Impact Strength	kJ/m <sup>2</sup>	ISO 180	1U at 23°C	50
Tensile Strength	MPa	ISO 527	50 mm/min	25-30
Elongation at Break	%	ISO 527	50 mm/min	200-250
Modulus of Elasticity	MPa	ISO 527	50 mm/min	2000-3000
Vicat Softening Point	°C	ISO 306	A120/oil	70-80
Water Vapour Transmission Rate	g/m <sup>2</sup> /24h	ASTM	F372	6
Permeability CO <sub>2</sub>	cm <sup>3</sup> .mm/24.m <sup>2</sup> .atm	ASTM	D1434	30-49
Permeability O <sub>2</sub>	cm <sup>3</sup> .mm/24.m <sup>2</sup> .atm	ASTM	D1434	5-10

#The density quoted should only be used as a guide. This value can change depending upon the type and quantity of pigments or additives used.

