

Previously branded as:
AXCLEAR G 33

Description

VitasheetGroup's Amorphous Polyethylene Terephthalate (APET) is a super clear polymer used extensively for the packaging industry. It has excellent clarity, coupled with the stiffness similar to Polycarbonate. This allows an unmatched transparency for packaging applications.

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.

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: EN 71 part 3.

ROHS: European Legislation 2002/95/EC.

Printing

All printing techniques are possible (please specify in case of offset 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

0.25 mm to 0.6 mm.

Sheet Size Specifications

Gauge	Sheet sizes	
	Width	Length
0.25 to 0.6 mm	500/1200 mm	500/1200 mm

Physical properties

Properties	Unit	Standard	Method	Value
Density [#]	g/cm ³	ISO 1183	-	1.32
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 quoted should only be used as a guide. This value can change depending upon the type and quantity of pigments or additives used.

