

**Technical data sheet**

**TG**

**PETg/Aclar**

**Characteristics**

High clarity amorphous Poly (Ethylene Terephthalate) Glycol Polyester with excellent thermo forming properties. PETg has high chemical resistance and can sterilize with ETO as well as with Gamma radiation, hence use in medical device packing.  
Has a good stiffness and resilience. PETg/aclar laminate provides excellent barrier properties against moisture.  
The best part of this material is recycle; hence it is eco friendly material

Parameter	Description	Unit
Surface	Glossy/glossy	NA
Colours	Transparent clear,	NA
Base film thickness	200 – 250 µm	µm
Aclar thickness	23,51,76,102	µm
Grammage (Transparent)	g/m <sup>2</sup> (PETg Thickness *1.33+ Aclar thickness* 2.1)	g/m <sup>2</sup>
Yield (Transparent)	m <sup>2</sup> /kg (1000 / total GSM )	m <sup>2</sup> / kg

## Properties

Sr. No.	Particulars	Test method reference	Specifications
1	Base film thickness	DIN 53370	200 µm ± 10 % 250 µm ± 10%
2	Composite GSM	DIN 53352	= (PETg thickness X 1.33 + aclar thickness X 2.1) g/m <sup>2</sup>
3	Tensile strength	ASTM – D 882	LD & TD > 450 kg/ m <sup>2</sup> min
4	Elongation	ASTM – D 882	LD & TD 5 %
6	Toxicity	USP – 31	Non toxic
7	WVTR at 38 Deg.C. & 90 % RH (Guide value)	DIN 53122	~ 0.11 gm/ m <sup>2</sup> /day Depending on thickness

Regulatory	Complies with the requirements of the European Pharmacopeia and with Directive 2002/72/EC and amendments in their current version
	Complies with the relevant US Code of Federal Regulations CFR 21 and with the US Pharmacopeia where applicable.
	Complies with Directive 94/62/EC and with US CONEG regulations.
	Formulation filed with FDA, DMF 15884 Type III.
	Production and quality controls according to cGMP rules





