

# Tenopex® GAG Packaging Technical Data Sheet

## Description and Applications

Tenopex® GAG is a co-extruded film with a middle layer of APET and outer layers of PETG. It is highly transparent with excellent mechanical and thermoforming properties. GAG provides the advantages of PETG such as printability without pre-treatment, sealing with high frequencies or adhesive. GAG films and sheets are widely used for packaging of electronics, cosmetics, toys, medical equipment, stationery and gifts. It can also be used for signage and graphics applications such as labels, signs and cards.

Tenopex® GAG is available in thicknesses ranging from 0.3mm – 1.5mm

## Typical Property Values

Property		Test Method	Units	Value
<b>Physical</b>				
Density		ASTM D792	g/cm <sup>3</sup>	1.34
<b>Optical</b>				
Light Transmission		ASTM D1003	%	90.9
Haze		ASTM D1003	%	1.2
<b>Mechanical</b>				
Tensile Strength	MD	ASTM D882-10	MPa	61.6
	CD			61.6
Elongation At Break	MD	ASTM D882-10	%	4.9
	CD			4.7
Tensile Modulus	MD	ASTM D638-10	MPa	2500
	CD			2570
Impact Resistance		ASTM D1709-09	g	770
<b>Thermal</b>				
Glass Transition Temperature (T <sub>g</sub> )		ISO 1 1357-2 : 1999 DSC	°C	88
<b>Electrical</b>				
Surface Resistivity (for antistatic grade only)		ASTM D257	Ω	10 <sup>9-11</sup>
<b>GAG Roll Specifications</b>				
Property		Specifications		
Thickness		0.15mm to 1.5mm		
Width		500mm to 1220mm, custom widths available upon request		
Color		Clear		
Surface Finish		Polished / Polished		

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These are typical properties and are not intended for specifications purposes. If minimum certifiable properties are required, please contact your local sales representative. Reported values are based on 0.35mm thickness film unless otherwise noted.

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