



The Plastic Films Specialist

Tenopex® Technical Data Sheet

Packaging Films - APET

Description and Applications

Tenopex's GAG is a co-extruded film with 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. They 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
Physical			
Density	ASTM D792	g/cm ³	1.34
Mechanical			
Tensile Strength (MD)	ASTM D882-10	MPa	61.6
Tensile Strength (CD)	ASTM D882-10	MPa	61.6
Elongation at Break (MD)	ASTM D882-10	%	4.9
Elongation at Break (CD)	ASTM D882-10	%	4.7
Tensile Modulus (MD)	ASTM D638-10	MPa	2500
Tensile Modulus (CD)	ASTM D638-10	MPa	2570
Impact Resistance	ASTM D1709-08	g	770

Tenopex Plastics Co., Ltd

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Website : www.tenopex.com

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Tenopex Plastics Co., Ltd is an sole distributor of PlastCo Technology Co., Ltd (integral part of Nantai Group) which was founded in Hongkong with state of the art technologies extrusion of plastic films servicing customers domestically and internationally



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Thermal

Glass Transition Temperature (Tg)	ISO 11357-2	°C	88
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Optical

Haze	ASTM D1003-07	%	1.2
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Light Transmission	ASTM D1003-07	%	90.9
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Electrical

Surface Resistance (for anti-static grade)	ASTM D257	Ohm	$10^9 - 10^{11}$
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Manufacturing Gauge Specifications

Nominal Gauge Ranges	Min/Max Tolerances of Nominal
0.075mm - 0.24mm	+/- 10%
0.25mm - 0.375mm	+/- 7%
0.43mm - 0.5mm	+/- 5%

GAG Specifications

Property	Specification
Thickness	0.25mm-1.5mm for sheets; 0.25mm-1.0mm for rolls
Width	500-1220mm (custom widths are available upon request)
Surface Finish	Two sided glossy, Matte finish also available
Colour	Clear, White, Black, Grey, Brown (Custom colours available)

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These are typical properties and are not intended for specification purposes. If minimum certifiable properties are required, please contact your local PlastCo sales representative. Reported values are based on 0.250 mm thickness film unless otherwise noted.

Each user is responsible for making its own determination as to the suitability of Tenopex's products, services and recommendations for the user's particular use through appropriate end-use testing and analysis. Although any information or technical recommendation will be given without warranty or guarantee or implied, that the results indicated herein are obtained under end-use conditions. Except as provided in seller's standard conditions of sale, seller shall not be responsible for any loss resulting from any use of its products or services described herein.

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