

# Tenopex® TX-GB Polyester Technical Data Sheet

## Description and Applications

Tenopex® TX-GB is a premium high gloss black polyester film engineered for applications demanding complete light blockage, ultra density optical density and superior surface quality. With a deep black pigmented base and low protrusion ultra smooth finish, TX-GB offers near zero light transmission and excellent flatness and adhesive compatibility. It is widely used for speaker vibration membrane, drum layers, as well as industrial ribbons and adhesive tapes etc.

## Typical Property Values

| Property                        | Test Method   | Units              | Value       |
|---------------------------------|---------------|--------------------|-------------|
| <b>Physical</b>                 |               |                    |             |
| Density                         | ASTM D792     | g/cm <sup>3</sup>  | 1.4         |
| Color                           | -             |                    | Gloss Black |
| Thickness Tolerance             | -             | um                 | ± 2 – 6     |
| <b>Optical</b>                  |               |                    |             |
| Light Transmission              | ASTM D1003-61 | %                  | 0 - 2       |
| Gloss                           | ASTM D1003-61 | %                  | 100         |
| <b>Mechanical</b>               |               |                    |             |
| Tensile Strength at Break       | ASTM D638/882 | Kg/mm <sup>2</sup> | 18          |
| Tensile Elongation at Break     | ASTM D638/882 | %                  | 90          |
| Friction Coefficient            | ASTM D1894    | Static             | 0.5         |
| <b>Thermal</b>                  |               |                    |             |
| Standard Temperature Resistance | ASTM D1525-76 | °C                 | > 105       |
| Shrinkage at 130°C/30min        | ASTM D1204    | % (min)            | < 1.5%      |
| <b>Electrical</b>               |               |                    |             |
| Dielectric Strength             | JIS C2151     | V/um               | 60          |

## Tenopex Plastics Co., Ltd

Unit 101, Building 2, No. 136, Hua Xia Road Qiaotou Town,  
Dongguan City, Guang Dong Province, China 523532  
(86) 138 25753516 marketing@tenopexplastics-cn.cn  
www.tenopexplastics.com

## Global Sales Office

(852) 6888 0563 helen.koh@optimaplustgroup.com  
(65) 87267516 helen.koh@optimaplustgroup.com

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 0.250mm 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 nor guarantee nor 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 uses of its products or services described herein.