



The Plastic Films Specialist

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

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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 0.250mm thickness film unless otherwise noted.

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