



The Plastic Films Specialist

GS11AS Technical Data Sheet

Description and Applications

Tenopex®PC GS11AS is an extruded polished / polished polycarbonate film with antistatic, good dimensional stability, heat resistance and mechanical properties. The typical applications of GS11AS includes printing, forming, insulation, lamination, surface coating for panels, label nameplates, membrane switches, automotive clusters, light guide films, diffusion films and for sporting helmets as well as remote control car bodies. GS11AS is available in thickness of 0.125mm. to 1.5mm in both roll and sheet form

Typical Property Values

Property	Test Method	Units	Value
Physical			
Density	ASTM D792	g/cm ³	1.2
Water Absorption , 24hrs	ASTM D570	%	0.35
Optical			
Light Transmission	ASTM D1003	%	88-90
Haze	ASTM D1003	%	≤ 0.5
Mechanical			
Tensile Strength	ASTM D882	MPa	≥ 60
Tensile Elongation at Break	ASTM D882	%	130-150
Free-Falling Impact Strength	ASTM D1709-09	g	≥ 2000
Thermal			
Heat Deflection Temperature at 1.82Mpa	ASTM D648	°C	135
Coefficient of Thermal Expansion	ASTM D696	10 ⁻⁵ /°C	7
Coefficient of Thermal Exchange	ASTM C177	W/m.°C	0.19



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Electrical

Dielectric Strength	ASTM D149	V/mil	1800
Surface Resistivity	ASTM D257	Ω /square	$> 10^{15}$
Volume Resistivity	ASTM D257	Ω .cm	$> 10^{16}$

UL Flammability

Film thickness ≤ 0.25 mm	UL94	VTM-2
Film thickness ≥ 0.375 mm	UL94	V-2

Manufacturing Gauge Specifications

Nominal Gauge Ranges	Min/Max Tolerances of Nominal
0.175mm - 0.24mm	+/- 10%
0.25mm - 0.375mm	+/- 7%
0.5mm - 1.0mm	+/- 5%

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.

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