

Tenopex® GS11HC Polycarbonate Technical Data Sheet

Description and Applications

Tenopex® GS11HC is clear transparent polished / polished polycarbonate with a high performance hard coat. Offering good abrasion resistance as well as excellent printability, this film is both durable and highly versatile in terms of print & processing compatibility. Typical applications include membrane switch overlays, labels for household appliances & electronics, IMD for interior automobiles and more

Typical Property Values

Property	Test Method	Units	Value
Physical			
Density	ASTM D792	g/cm ³	1.2
Water Absorption, 24 hrs	ASTM D570	%	0.35
Optical			
Light Transmission	ASTM D1003	%	88 - 90
Refraction Rate	JIS-D7105	%	1.49
Haze	ASTM D1003	%	0.3
Mechanical			
Tensile Strength	ASTM D882	Kg/cm ²	480
Tensile Elongation at Break	ASTM D882	%	65
IZOD Test	ASTM D256-54T	Kg.cm/cm	85
Pencil Hardness	JIS-D5400		1H
Thermal			
Standard Temperature Resistance	ASTM D1525-76	°C	120
Heat Distortion Temperature	ASTM D1637	°C	140
Melting Temperature	DSC Scanning	°C	255
UL Flammability			
Film thickness ≤ 0.25mm	UL94		VTM-2
Film thickness ≥ 0.375mm	UL94		V-2
Coefficient of Thermal Exchange	ASTM C177	W/m.°C	0.19
Chemical and Cleaning Agents Test - Pass			
Ammonia D (Drackett Brand)	Clorox		Mr Clean (P&G)
Wisk (Unilever)	Alcohol		Downy
Formula 409	Top-Lob		Spray N Wash
Spic-N-Span			

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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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