

OptiPrint™ PVC White Gloss OPT-WHTG Technical Data Sheet

Description and Applications

OptiPrint™ OPT-WHT PVC White Gloss is an opaque, rigid polyvinyl chloride sheet featuring a smooth, high gloss surface that produces vivid print color and sharp image contrast. It provides excellent ink adhesion across UV, solvent and screen printing processes, while offering good rigidity, impact strength and chemical resistance for dependable cutting, forming and fabrication.

Its durable white base and glossy surface finish is ideal for indoor graphics, display panels, signage and with UV stabilized formulation, offers brightness and surface gloss under typical environmental exposure.

OptiPrint™ OPT-WHTG White Gloss delivers a bright, printable and dimensionally stable substrate for visual communication, packaging and decorative applications that demand surface smoothness and high visual impact.

Typical Property Values

Property		Test Method	Units	Value
Physical				
Density		ASTM D792	g/cm ³	1.42 +/- 0.05
Thickness Tolerance	0.10mm – 0.35mm	ASTM D1593	%	+/- 5
	0.36mm – 0.50mm		%	+/- 4
	0.60mm – 0.75mm		%	+/- 3
	0.76mm – 0.85mm		%	+/-2
Chroma		JIS K-7105	ΔE	≤ 2.0
Surface Tension		ASTM D2578	Dyne/cm	≥ 34
Mechanical				
Tensile Strength	MD	JIS K-6734	MPa	≥ 46
	TD		MPa	≥ 44
Tensile Elongation	MD	JIS K-6734	%	≥ 100
	TD		%	≥ 80
Impact Resistance (Falling Ball)		ASTM D3029	lb-in/mil	2.0 – 5.0
Thermal				
Vicat Softening Temperature		ASTM D1525	°C	83 +/- 2
Shrinkage 150°C / 10mins	MD	ASTM D1204	%	≤ -15%
	TD		%	≤ 2.5%

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@optimaplusgroup.com
(65) 87267516 helen.koh@optimaplusgroup.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 0.3mm thickness film unless otherwise noted.

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