

# OptiPrint™ PVC White Matte OPT-WHTM Technical Data Sheet

## Description and Applications

OptiPrint™ OPT-WHTM PVC White Matte is an opaque, rigid polyvinyl chloride sheet featuring a matte surface designed for high quality printing and fabrication. The uniform white base provides consistent opacity and color coverage, while the matte texture minimizes surface reflection for a clean, even print finish. The material offers excellent ink adhesion with UV, solvent and screen printing, combines good rigidity, impact strength and chemical resistance for reliable performance during cutting, forming and bonding. It is suitable for indoor and with UV stabilizer, for outdoor graphics applications too, maintaining surface appearance and print integrity under UV exposure.

OptiPrint™ OPT-WHTM PVC Matte White delivers a durable, cost effective and print ready substrate for signage, POS displays, packaging components and visual communication panels where consistent quality opacity and surface smoothness are essential.

## Typical Property Values

Property		Test Method	Units	Value
Physical				
Density		ASTM D792	g/cm3	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
Roughness	R <sub>a</sub>	ISO 4287	Um	0.7 – 1.8
	R <sub>z</sub>		um	4 - 12
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@optimaplugroup.com  
(65) 87267516 helen.koh@optimaplugroup.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.

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.