

OptiPrint™ PVC Fine Matte OPT-CLFM Technical Data Sheet

Description and Applications

OptiPrint™ OPT-CLFM PVC sheet is a clear, rigid polyvinyl chloride sheet featuring a fine matte surface on one or both sides for optimum print quality and reduced surface glare. This sheet offers excellent flatness, dimensional stability and ink adhesion making it ideal for screen, UV and offset printing.

Its balanced stiffness and formability allow easy die-cutting, vacuum forming and bending. The matte finish provides a soft, reflection free appearance while ensuring sharp image reproduction and a premium visual effect.

OptiPrint™ OPT-CLFM PVC is widely used in visual graphics, display panels, folding boxes, signage and protective covers, offering a cost effective, printable and durable substrate for indoor and outdoor applications. Variants for UV stabilized and Matte/Velvet finish are available.

Typical Property Values

Property		Test Method	Units	Value
Physical				
Density		ASTM D792	g/cm3	1.35 +/- 0.05
Thickness Tolerance	0.08mm – 0.2mm	ASTM D1593	%	+/- 7
	0.201mm – 1.0mm		%	+/- 5
Shore Hardness 23°C/50%		GB/T 2411-2008	-	78D
Mechanical				
Tensile Strength	MD	JIS K-6734	kg/cm²	≥ 450
	TD		kg/cm²	≥ 400
Tensile Elongation	MD	JIS K-6734	%	≥ 100
	TD		%	≥ 80
Impact Resistance (Falling Ball)		ASTM D3029	lb-in/mil	2.0 – 4.0
Izod Notched Impact Strength		GB/T 1843-2008	KJ/m²	3.4
Thermal				
Vicat Softening Temperature		ASTM D1525	°C	83 +/- 2
Vacuum Forming Temperature		-	°C	250 - 350
Shrinkage 150°C / 10mins	MD	ASTM D1204	%	≤ -15%
	TD		%	≤ 2.5%
Chemical				
Resistance to Acid		ASTM D534	-	Excellent
Resistance to Alkaline		ASTM D534	-	Excellent

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@optimaplustgroup.com
(65) 87267516 helen.koh@optimaplustgroup.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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