

OptiPrint™ PVC Clear OPT-CLGG Technical Data Sheet

Description and Applications

OptiPrint™ OPT-CLGG PVC sheet is a clear rigid polyvinyl chloride sheet engineered for printing, thermoforming and general fabrication. It combines excellent transparency, gloss and dimensional stability with a smooth, printable surface suitable for screen, offset and UV printing.

Formulated with UV Stabilized, weather resistant resin, it provides reliable performance for both indoor and outdoor graphic applications, maintaining clarity and impact strength under exposure to sunlight. OptiPrint™ OPT-CLGG PVC offers balanced rigidity, good chemical resistance and consistent forming behavior, making it ideal for printed signage, thermoformed display panels, packaging windows and protective covers. OptiPrint™ OPT-CLGG PVC delivers a durable, cost effective and easily processable substrate for graphics, packaging and display markets where clarity, weather resistance and surface quality are critical. Custom colors are also 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/cm ²	≥ 450
	TD		kg/cm ²	≥ 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/m ²	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

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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 0.3mm thickness film unless otherwise noted.

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