

Photodon LLC		MI, USA	Ph: 847-377-1185		Email: sales@photodon.com
Product Name:	XLP	Finished Material Type:		2-way privacy filter, 40% glare reduction, blocks 50% of blue light, reversible with matte anti-glare or clear	Date 10-9-2026
Sheet Size:	1300 x 800mm (not rotated)		Country of Origin: Korea – Customized and Processed in the USA		
Tested Items		Thickness (μm)	Thickness (in)	Test Method	Notes
Material	Top Liner	50 ± 2	0.0019	Micrometer	
	Privacy Filter	444 ± 20	0.0175	Micrometer	
	Bottom Liner (Blue)	50 ± 2	0.0019	Micrometer	
	Total Thickness	494 ± 20	0.0194	Micrometer	
	Thickness Without Liners	444 ± 20	0.0175	Micrometer	
Tested Items		Unit	Spec	Result	Test Method
Properties	Total Light Transmittance	%	-	65 ± 5	JIS K7105 / HM150
	Haze	%		15 ± 5	JIS K7105 / HM150
	Viewing Angle (Horizontal)	°	-	60° ± 10°	SHS-G-170 / CS-2000 (Black out rate ≥ 90%)
	Blue Light Blocking Rate	%	-	45↑	SHS-G -240 / CM-3600D (380nm-500nm)
	Reflection	%	-	10 ↓	JIS Z 8722 (550nm / CM-3600D)
	Color Difference - Delta (u')	-	-	0.2051 ± 0.005	CIE1931 / CS-2000 (TESTER--+ AG SIDE)
	Color Difference - Delta (v')	-	-	0.4828 ± 0.005	CIE1931 / CS-2000 (TESTER--+ AG SIDE)
	Surface Hardness	H	-	2H ± 1	AG SIDE/ Load 500gf
Chemical Resistance	Resistant to:				
	Alcohols		Hydrocarbons		
	Dilute Acids		Ketones		
	Dilute Alkalies				