

Photodon LLC	Michigan	USA	Ph: 847-377-1185	Email: sales@photodon.com	
Product Name:	MXT	Finished Material Type:	50% glare reduction, paper-like feel, matte finish	Date 9-15-2022	
Film Sheet Size: 1040mm (nominally)					
Material					
	Tested Items	Thickness (µm)	Thickness (in)	Test Method	Notes
Material	Top Liner	50 ± 1	0.0019	Micrometer	
	Hard Coating	10 ± 2	0.0003	Micrometer	
	AG Coating	5 ± 3	0.0001	Micrometer	
	PET Film	100 ± 1	0.0039	Micrometer	
	Silicone Backing	30 ± 5	0.0011	Micrometer	
	Release Liner	50 ± 1	0.0019	Micrometer	
	Total Thickness	245 ± 13	0.0096	Micrometer	
	Thickness without liners	145 ± 11	0.0057	Micrometer	
Properties					
	Tested Items	Unit	Spec	Result	Test Method
Optical Properties	Total Light Transmittance	%	≥ 88	85	JIS K 7105
	Haze	%	≤ 16	15	JIS K 7105
	Rainbow Moire	-	Excellent	Excellent	Eye Test
Thermal Properties	Thermal Shrinkage	mm/hr	MD/TD ≤ 1	0.15 / 0.16	-
	Retentivity	mm/hr	≤ 3.8	3.3	500g/100°C
	Yellowness	-	No Visible	Excellent	-20°C ↔ 85°C 30, cycles
	Heat	-	No Visible	Excellent	-20°C ↔ 85°C, 30 cycles
Mechanical Properties	Pencil Hardness	H	≥ 3	3	JIS K 5600
	Scratch Resistance	-	-	Pass	10 Laps @ 5kg
	Spot Flaw	EA	Width + Length / 2 ≤ 0.3mm 5ea ↓	1	Eye Test, Lupe, Light Table
	Linear Flaw	EA	No Visible	Excellent	Eye Test
	Eye Test	-	No Visible	Excellent	Eye Test
Chemical Resistance	Resistant to:				
	Alcohols	Esters		No Problem	DIN 42 115
	Dilute acids	Hydrocarbons			
	Dilute alkalis	Ketones			