

<b>Photodon LLC</b>					
Michigan	USA	Ph: 847-377-1185	Email: sales@photodon.com		
<b>Product Name:</b>	<b>MXT</b>	<b>Finished Material Type:</b>	50% glare reduction, paper-like feel, matte finish	Date 8-23-24	
<b>Film Sheet Size: 1040mm (nominally)</b>			Country of Origin: Korea - Customized and Processed in the USA		
Tested Items		Thickness (µm)	Thickness (in)	Test Method	Notes
<b>Material</b>	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		
Tested Items		Unit	Spec	Result	Test Method
<b>Optical Properties</b>	Total Light Transmittance	%	≥ 88	85	JIS K 7105
	Haze	%	≤ 16	15	JIS K 7105
	Rainbow Moire	-	Excellent	Excellent	Eye Test
<b>Thermal Properties</b>	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
<b>Mechanical Properties</b>	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
<b>Chemical Resistance</b>	<b>Resistant to:</b>				
	Alcohols	Esters	No Problem	DIN 42 115	
	Dilute acids	Hydrocarbons			
	Dilute alkalis	Ketones			