

<b>Photodon LLC</b>						Michigan	USA	Ph: 847-377-1185	Email: sales@photodon.com	
<b>Product Name:</b>		MXH		<b>Finished Material Type:</b>		25% glare reduction, low fingerprint retention, paper-like feel, matte finish			Date 9-15-2022	
<b>Film Roll Size: 1250mm (nominally)</b>										
<b>Temp/Humidity Used for Testing:</b>										
		<b>Tested Items</b>		<b>Thickness (µm)</b>	<b>Thickness (in)</b>	<b>Test Method</b>	<b>Notes</b>			
<b>Material</b>			Top Liner		50	0.0019	Micrometer			
			AG + AF Coating		5	0.0002	Micrometer			
			PET Film		100	0.0039	Micrometer			
			Silicone Backing		50	0.0019	Micrometer			
			Release Liner		50	0.0019	Micrometer			
			Total Thickness		255 ± 5%	0.0100	Micrometer			
			Thickness without liners		155	0.0061	Micrometer			
		<b>Tested Items</b>		<b>Unit</b>	<b>Spec</b>	<b>Result</b>	<b>Test Method</b>			
<b>Optical Properties</b>			Total Light Transmittance		%	-	≥ 90	JIS K7105		
			Haze		%	-	12 ± 2	JIS K7105		
<b>Thermal Properties</b>			Heat Cycle		-	-	Pass	-20°C↔80°C, 10 cycles		
			Humidity Resistance		-	-	Pass	60°C @ 90% RH		
<b>Mechanical Properties</b>			Pencil Hardness		H	-	3	JIS K 5400 test standard, using Mitsubishi hardness pencil (silicon free)		
			Adhesion Stability		-	100/100	Pass	JIS K-5400/8.5 Cross Cut Adhesion Test		
		Peeling Strength	Film only	gf/50mm	-	5 ± 3	JIS-Z-0237			
			Release film	gf/25mm	-	< 20	JIS-Z-0237			
		Scratch Resistance		-	-	No Damage	ASTM D1044 Steel wool (#0000)*10 Laps @ 2000g load/cm <sup>2</sup>			
<b>Chemical Resistance</b>	<b>Resistant to:</b>									
			Alcohol				No Problem	-		
			3% Ammonia							
			3% Solvents							