

<b>Photodon LLC</b>					
Michigan	USA	Ph: 847-377-1185	Email: sales@photodon.com		
<b>Product Name:</b>	<b>MXB</b>	<b>Finished Material Type:</b>	Blocks up to 93% of blue light, clear/glossy finish	Date 9-15-2022	
<b>Film Roll Size: 1016mm (nominally)</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	60	0.0023	Micrometer	
	Hard Coating	4	0.0002	Micrometer	
	PET Film	246	0.0096	Micrometer	
	Silicone Backing	30	0.0011	Micrometer	
	Release Liner	50	0.0019	Micrometer	
	Total Thickness	390 ± 0.04	0.0153	Micrometer	
	Thickness without liners	280	0.0110	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	%	88	88	ASTM B1003
	Haze	%	4	4	ASTM D 1003
	Blue Light Cut	nm	380-410	100%	-
	Rainbow Moire	-	No Visible	Pass	Eye Test
<b>Mechanical Properties</b>	Pencil Hardness	H	≤ 4	≤ 4	ASTM D3363-74
	Adhesion Force g/25mm	gf	6	6	FINAT-1 180°
	Degumming Test	-	None	None	3MP SOP-T0012
	Adhesion Stability	-	100/100	Pass	ASTM D 3359 Cross Cut Adhesion Test
<b>Chemical Resistance</b>	<b>Resistant to:</b>				
	Alcohols	Esters		No Problem	DIN 42 115
	Dilute acids	Hydrocarbons			
	Dilute alkalis	Ketones			