



Technical Data Sheet

MXG Material

Company	Photodon, LLC	Michigan	USA	Phone 847-377-1185	Fax 877-255-2570	
Product Name	MXG - Maxi Anti-Glare			Product Type	PET	
Film Roll Size	98.5 cm x 200 meters (38.75 inches x 656 feet)					
Test Condition	Temp (°C) 23 ± 3			Humidity 25%		
	Test Items	Unit	Spec	Result	Test Method	
Material	Top Liner	50µm	PET			
	AG Resin	5 µm ± 1	UV 17% Cut			
	Substrate PET Film	100µm	PET			
	Silicone Resin	25µm	Silicone			
	Release Liner	50µm	PET			
	Thickness without liners	130µm ± 1	.005"			
Optical Properties	Total Luminous Transmittance	%	>87	89.5	ASTM-D1003-77	
	Gardner Haze	%	35	35	ASTM-D1003-77	
	Gloss Level @ 60°					
	Rainbow Moire	-	Ver 2	Pass	-	
Thermal Properties	Curling	%	>90	92.5		
	Thermal Shrinkage	%	MD/TD<1.0	0.13/0.15		
	Retentivity	mm/hr	500g/100°C	<3.0	KSA1107	
	Heat Cycle		-20°C↔80°C 20 Cycles	OK		
Mechanical Properties	Burst Strength	MPA		1.75 MPA	ASTM D774-67	
	Dimensional Stability	%		0.2% Max Shrinkage	MD @ 120° C	
	Tabor Abrasion	%		Δ 9% Max	ASTM D1044-82 100 cycles	
	Pencil Hardness	Film only	H	≥ 5	5H @ 45°, 450g Load	ASTM D3363
		w/adhesive	H	≥ 4	4H @ 45°, 1 kg Load	ASTM D3363
	Peeling Strength	gf/25mm	180° Peel Off	30 ± 2	ASTM D6001 (12 > Competitor's average)	
	RCA	-	No Scratch	Pass	-	
	Adhesion	-	100/100	Pass	Cross Hatch Test	
	Yellowness Index	-	<0.2	OK	ASTM D1925-70 (Japanese white raw material)	
	Anti-fouling Property					
Chemical Resistance	Resistant to:				DIN 42 115	
	Alcohols	Hydrocarbons				
	Dilute acids	Ketones				
	Dilute alkalis	Household cleaning agents				
	Esters					

[RoHS Compliance Certificate](#)

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The technical data sheets are not guaranteed values, but rather measurement values given as an example. Photodon does not guarantee that the film can be used for any example applications provided.