

MGX POLYCARBONATE VELVET/MATTE

Properties		Test Method	Units	Values
Physical	Specific Gravity	ASTM D792	1.2	1.2
	Conversion Factor		ft ² /lb-mil	160
	Water Absorption (Immersion @ 73F 24 hours)	ASTM D570	%	0.33
	First Surface Gloss - 60 angle, black inked second surface	ASTM D2457	gloss unit	3.0-4.5
	First Surface Roughness R3Z	ISO 4288	microns	16-23
Optical	Haze	ASTM D1003	%	
	Light Transmission	ASTM D1003	%	90
	Yellowness Index	ASTM E313		1
Mechanical	Tensile Strength, Yield	ASTM D882	psi	8,700
	Tensile Strength, Break	ASTM D882	psi	8,600
	Elongation @ Break	ASTM D882	%	120
	Tear Strength, Initiation	ASTM D1004	lb/in	1,100
Thermal	Heat Deflection	ISO 75		
	Temperature			
	1.82 Mpa		°F	270
	0.45 Mpa		°F	280
	Vicat Softening	ISO 306	°F	315
Flammability	UL Listing	UL 94	min. thickness 0.015"	V-2
		UL 94	min. thickness 0.005"	VTM-2
	Burn Rate	FMVSS302		≤100