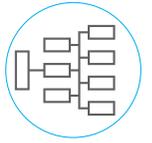# CHEMCAST® PMG

CELL CAST ACRYLIC SHEET
Piedmont Marine Grade

UNIGEL

INTRODUCTION

CHEMCAST PMG ULTRA is a unique high impact, fabricator friendly acrylic sheet with an improved formulation designed to accommodate the needs of the most demanding fabricators and builders.

CHEMCAST PMG PLUS is an easy forming formulation in clear, transparent and translucent colors. "Plus" offers outstanding value in the manufacture of windshields and other formed marine parts by improving cycle times.

• QUALITY

CHEMCAST PMG products comply or exceed the requirements established by the ASTM 4802:94 1 ISO 7823 standards.

• PMG PLUSAND ULTRAWHEN COMPAREDTO A GENERAL PURPOSE ACRYLIC SHEET

Ease of Fabrication: Including reduced cycle time in thermoforming and bending.

Higher opacity and gloss in whites and colors. Superior surface quality.

Batch testing: Each batch is tested at the factory to assure consistency and fabrication performance.

Superior impact strength: PMG ULTRA provides added strength in fabrication as well as longer lasting more durable marine parts.

PMG

COLORS

PGM ULTRA COLORS

CODE	NAME	CODE	NAME
1001	GLACIERWHITE	1950	PEARL
1005	CRUISER BEIGE	2912	EGG HOVER WHITE
1009	WHITE DIAMOND	5839	MOONSTONE
1010	SILVERMIST	0111	OFF WHITE
1011	CRUISER WHITE	0149	GW ALMOND
1013	CHAPARREL WHITE	#15/L-313	FOAM
1020	GLACIAR	0123	ALMOND 0123
1211	BUCKSKIN	0707	R-WHITE (RAMPAGE)
1330	ZEPHYR (NEW)	2211	RAMPAGE
1704	PDEWHITE	PDUNE	PDUNE
1705	BENNECREMME	Z-208	ANGELWHITE

PMG PLUS COLORS

CODE	NAME	CODE	NAME
CLEAR	CLEAR	2111	GREEN
2064	GREY	2370	BRONZE
2069	GREY	2404	BRONZE
2074	GREY	2515	GREY
2094	GREY	2540	GREY
2412	BRONZE		

• **COLOR MATCHING**
We offer a color matching service for all your new ideas. Certain minimum quantities and other require-ments may apply depending on specific needs.

• **PACKINGAND DELIVERY**
Plastiglas de Mexico offers a variety of protections of the sheet that includes masking paper, PE adhe-sive film, EVA film and thermo formable film. All deliveries are made in standard pallets.

•**TECHNICAL SUPPORT**
Technical assistance is available to help customers in setting the proper processing conditions in their equipment, in order to optimize PMG PLUS and PMG ULTRA performance.
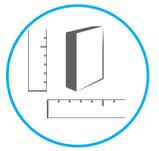
SIZES AND THICKNESS (in x in)
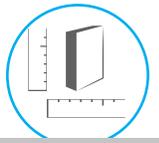
THICKNESS (in)	SIZE mm (in)					
	1220X2440 (48"X96")	1295X2540 (51"X100")	1525X2440 (60"X96")	1587X2540 (63"X100")	1830X2440 (72"X96")	1905X2540 (75"X100")
(0.177")	X	X	X	---	X	X
(0.220")	X	X	X	X	X	X
(0.236")	X	X	X	---	X	---
(0.354")	X	X	X	X	X	X
(0.472")	X	X	X	X	X	X
(0.708")	X	---	---	---	---	---
(0.944")	---	---	X	X	---	---
(1.250")	---	---	---	---	---	---

THICKNESS TOLERANCE
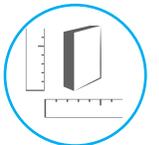
THICKNESS (in)	SIZE mm (in)				
	1220X2440 (48"X96")	1525X2440 (60"X96")	2540 X 1295 (100" X 51")	1830X2440 (72"X96")	1905X2540 (75"X100")
4.5mm (0.177")	3.53 - 5.06 (0.139- 0.199)	--------	3.53 - 5.06 (0.139-0.199)	--------	3.41 -5.19 (0.134 -0.204)
5.6mm (0.220")	4.46-6.24 (0.175-0.245)	4.43- 6.34 (0.170 -0.249)	--------	4.43- 6.34 (0.170-0.249)	4.33-6.34 (0.170- 0.249)
6.0mm (0.236")	4.86- 6.63 (0.191- 0.261)	--------	--------	--------	4.73-6.51 (0.186- 0.256)
9.0mm (0.354")	7.48- 9.76 (0.294- 0.384)	--------	--------	--------	7.35-9.89 (0.289- 0.389)
12.0 mm (0.472")	10.22- 12.76 (0.402- 0.502)	10.09- 12.88 (0.397- 0.507)	10.22-12.76 (0.402-0.502)	--------	10.09- 12.89 (0.397- 0.507)
18.0 mm (0.708")	15.97-18.762 (0.628-0.738)	--------	--------	--------	--------
24mm (0.944")	--------	--------	21.97-24.584 (0.857-0.967)	21.16-25.22 (0. 832-0. 992)	--------

PMG

GUARANTEED SHEET SIZE

NET SIZE GUARANTEED mm (in)	MAXIMUM OVER SIZETRIMMED mm (in)
1220X2440mm (48"X96")	1220X2440 (48"x96")
1295X2540mm (51"X100")	1295X2540 (51"x100")
1525X2440mm (60"X96")	1525X2440 (60"x96")
1830X2440mm (72"X96")	1830X2440 (72"x96")
1905X2540mm (75"x100")	1905 X2540 (75"x100")

SPECIFICATIONS FOR PMG PRODUCTS

The typical properties of the CHEMCAST MG for marine applications are:

PROPERTY	SPECIFICATION
Color	•Visual vs. Standard.
Surface Quality	• One mark or scratch < 3.2 mm per 0.4 m2. • One dirt or contaminant < 3.2 mm per 0.4 m2.
Thermal Stability	• No evidence of blisteers or bubbles after 30 min. At 180 +/- 5 °C.
Thermoforming	• No evidence of dimples or blisters.
Bending	• No evidence of bending lines or dimples.

CHEMICAL RESISTANCE

CHEMICAL	CODE
Ammonium Chloride Ammonium Hydroxide Calcium Chloride Ethylene Glycol Gycerine Hexane Hydrochloric Acid Hydrogen Peroxid (3%) Kerosene Nitric Acid (10%) Sodium Chloride Sodium Hidroxide (10%) Sodium Hypochloride Turpentine Water (distilled)	R
Acetic Acid (10%) Chloroform Diethyl Ether Dioctyl Phthalate Gasoline Lsopropyl Alcohol Methyl Alcohol (30%)	LR
Acetic Acid (glacial) Acetone Benzene Carbon Tetrachloride Chromic Acid (10%) Chromic Acid(conc.) Ethyl Alcohol (30%) Ethyl Alcohol (95%) Ethylene Dichloride Lacquer Thinner Methyl Alcohol (100'/.) Methyl Ethyl Ketone Methylene Chloride Nitric Acid (100%) Phenol (5%) Sulfuric Acid (3'/.) Sulfuric Acid (conc.) Toluene Trichloroethylene Xilene	N

The code is used to describe chemical resistance as follows:

R = RESISTANT
Acrylic cast withstand this substance for long periods and at temperature up to l20°F (49°C).
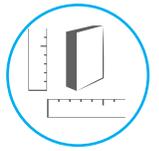LR = LIMITED RESISTANCE
Acrylic only resists the action of this substance for short periods at room temperature.
N = NOT RESISTANT
Acrylic is not resistant to this substance. lt is swelled, attacked, dissolved or damaged in some manner.

These values are typical and should not be taken as specification

PRODUCT RANGE

COLOR	SIZE	0.177"	0.220"	0.236"	0.354"	0.472"	0.708"	0.944"	1.250"
1001	63"X100"					X			
1005	48"X96"			X		X	X		
	60"X96"					X			
	63"X100"				X				
	75"X100"					X			
1009	48"X96"					X			
	60"X96"				X	X			
	63"X100"					X			
1011	60"X96"			X	X	X			
	72"X96"			X					
	75"X100"				X	X			
1013	48"X96"		X			X			
	60"X96"		X		X	X			
	63"X100"		X		X	X			
	75"X100"					X			
1020	60"X96"				X	X			
1211	48"X96"				X				
	60"X96"					X			
1330	51"X100"		X						
	63"X100"					X			
	75"X100"					X			
1704	48"X96"		X						
	51"X100"		X						
	63"X100"					X			
1705	60"X96"								
1950	60"X96"				X	X			
	75"X100"					X			
2064	48"X96"	X	X		X				

PRODUCT RANGE
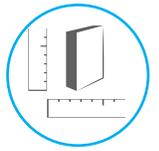
COLOR	SIZE	0.177"	0.220"	0.236"	0.354"	0.472"	0.708"	0.944"	1.250"
	51"X100"	X		X					
	60"X96"				X	X			
	72"X96"		X						
	75"X100"	X	X						
2069	48"X96"				X				
2074	48"X96"	X			X	X			
	51"X100"	X							
	60"X96"					X			
	72"X96"		X			X			
	75"X100"								
2094	48"X96"		X		X	X			
	63"X100"					X			
	75"X100"	X				X			
2111	72"X96"	X	X	X					
	75"X100"		X						
2211	60"X96"								
2370	48"X96"		X		X	X			
	60"X96"				X	X			
	63"X100"	X			X	X			
	72"X96"		X		X	X			
	75"X100"		X			X			
2404	48"X96"		X			X			
	51"X100"	X	X		X				
	60"X96"				X	X			
	63"X100"				X	X			
	72"X96"		X		X				
	75"X100"	X	X		X	X			
2412	48"X96"	X	X		X	X			

PRODUCT RANGE
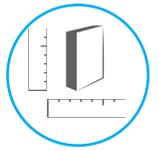
COLOR	SIZE	0.177"	0.220"	0.236"	0.354"	0.472"	0.708"	0.944"	1.250"
	51"X100"		X						
	60"X96"		X		X	X			
	63"X100"					X			
	72"X96"		X	X	X				
	75"X100"	X							
2447	48" X 96"		X		X				
	72"X96"				X				
2515	48" X 96"	X			X				
	51"X100"	X	X	X	X				
	60"X96"				X				
	75"X100"				X				
2540	48" X 96"		X	X					
	60"X96"		X	X	X				
	63"X100"		X		X				
	72"X96"	X			X				
	75"X100"	X	X		X	X			
2912	48" X 96"					X	X		X
5839	63"X100"					X			
7328	48" X 96"		X		X	X			
7420	48" X 96"		X		X	X			
	51"X100"		X						
	60"X96"					X			
	63"X100"		X		X	X			
	72"X96"					X			
	75"X100"					X			
7508	48" X 96"	X	X	X	X	X	X		
	51"X100"					X			
	60"X96"		X		X	X			

PRODUCT RANGE

COLOR	SIZE	0.177"	0.220"	0.236"	0.354"	0.472"	0.708"	0.944"	1.250"
	63"X100"		X			X			
	75"X100"					X			
0111	48" X 96"		X		X	X			
	51"X100"					X			
	60"X96"	X	X		X	X			
	63"X100"		X		X	X			
	75"X100"					X			
0149	48" X 96"		X	X	X	X			
	60"X96"				X	X			
	63"X100"					X			
#15	48" X 96"		X			X			
0123	63"X100		X		X	X			
0707	60"X96"								
BLACK 2026	48" X 96"	X	X	X	X	X			
	51"X100"	X				X		X	
	60"X96"				X	X			
	63"X100"					X			
	72"X96"		X						
CLEAR	48" X 96"	X		X	X	X	X		
	51"X100"					X			
	60"X96"			X	X				
	75"X100"								
P´Dune	48" X 96"					X			
	63"X100"					X			
Z-208	48" X 96"		X		X	X			
	60"X96"		X			X			
	63"X100"				X	X			

PACKAGING

All the material is packed in standard pallets, as show in following table. Unless otherwise specified, shipments should be submitted to +/- 10% of the quantity ordered.

Thickness	Size					
	2440 X 1220 (96" X 48")	1295 X 2540 (51" X 100")	2440X1525 (96" X 60")	2540 X 1587 (100" X 63")	1830 X 2440 (72" X 96")	2540X1910 (100" X 75")
(0.177")	60	60	35	35	35	35
(0.220")	50	50	25	25	30	30
(0.236")	50	50	25	25	25	25
(0.354")	32	32	22	22	22	22
(0.472")	25	25	15	15	15	15
(0.708")	16	10	10	10	10	10
(0.944")	12	6	6	6	6	6
(1.250")	10	----	7	7	----	----

IMPORTANT: Plastiglas de México, S.A. de C.V. has prepared this document to provide information about the product but does not assume any legal responsibility for the suggestions and data provided which are based in information true and offered in good will without warranty.

This document in its form and content is a product catalogue and does not consider all the possible situations. Therefore any other condition of usage and application will be responsibility of the user.

For additional information and/or particular processing conditions please contact our:

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PLASTIGLAS MR

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PMG