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TECHNICAL DATA SHEET

PRODUCT: CHEMCAST GP – 1.5" (38 mm), 2.0" (50 mm), 2.25" (57 mm), 2.50" (63 mm), 3.0" (75 mm) and 4.0" (100 mm)

	PROPERTY	TYPICAL VALUE (1)	TEST METHOD
<u>OPTICAL</u>	Specific Gravity	1.18	ASTM D 792
	Optical Refractive Index	1.49	ASTM D542
	Haze (%)	2.0	ASTM D542
	Light Transmission (%)		
	0.100" - 0.197"	92	ASTM 1003
	0.220" - 0.472"	90	ASTM 1003
	1.50" - 4.00"	87*	ASTM 1003
<u>MECHANICAL</u>	Tensile Strength (psi)	9600	ASTM D638
	Elongation at Rupture (%)	4.5	ASTM D638
	Modulus of Elasticity (psi)	425,000	ASTM D798
	Impact Strength (ft lb/in)	0.4 - 0.5	ASTM 256
	Flexural Strength (psi)	15000 - 16000	ASTM D 798
	Rockwell Hardness	M (90 - 100)	ASTM 785
<u>THERMAL</u>	Forming Temperature (°C)	140 - 180	
	(°F)	284 - 356	
	Deflection Temperature		
	Under Load (264 psi) (°C)	87	ASTMD 648
	(°F)	189	ASTMD 648
	(°C)	93*	
	(°F)	199*	
	Maximum recommended continuous service temp (°C)	80	
	(°F)	176	ASTM 1525 ASTM 1525
<u>PERFORMANCE</u>	Water absorption (24 hrs.-23°C-73°F) (%)	0.35	ASTM 570
	Thickness tolerance – 48"X96"	+5%, -5%*	
	1.50" (38 mm)	1.425"-1.575"	Internal procedure
	1.75"(44 mm)	1.662" -1.837"	
	2.0" (50 mm)	1.900"-2.100"	
	2.25 (57 mm)	2.137" – 2.363"	
	2.50 (63 mm)	2.375" – 2.625"	
	3.0" (75 mm)	2.850"- 3.150"	
	4.0" (100 mm)	3.800" a 4.200"	

(1) All values are referred to 0.118" (3.0 mm) acrylic sheet. These values are typical and should not be taken as specifications. (*) Values applied for 1.50" - 4.00" products

Plastiglas de México SA de CV. Technical Department.