



“Your Premier Supplier For Sheet Extrusion”

GEM Plastics presents **GEM Board ST™**, a unique HDPE sheet that provides a Super Tough (ST) surface for many projects. It is scratch resistant, making it ideal material for cabinetry, architectural case goods and partitions. **GEM Board ST™** is a durable, consistent sheet that is easy to clean, impervious to water and resistant to harsh weather environments. **GEM Board ST™**, unlike wood or metals, will not rot, discolor, delaminate, rust and ultimately deteriorate.

GEM Board ST™ is also available in a lightweight version. This lightweight version can be made up to 25% lighter than the standard **GEM Board ST™**. Our **GEM Board ST™** is available in two of our most durable finishes, Stone and Basketball.

Want to make your project
beautiful and durable?
Make it a GEM!





- ✓ Scratch Resistant
- ✓ Stone and Basketball Finishes
- ✓ Available in standard colors
- ✓ Meets ASTM D4976
- ✓ Impact Resistant
- ✓ Contains no VOC's
- ✓ Easy to machine and fabricate
- ✓ No Moisture absorption

Tolerance Information:

Gauges: +/- 5%
 Length: +.5"/-0" (at room temperature)
 Width: +.5"/-0" (at room temperature)

Properties	Units	Nominal Values	ASTM
Density	g/cc	0.962	D1505
Tensile Strength @ Yield	psi	>4,500	D638
Tensile Modulus	psi	315,00	D638
Elongation @ Break	%	>600	D638
Elongation @ Yield	%	8.8	D638
Flexural Modulus	psi	225,000	D790
Flexural Stress @ 5% Strain	psi	4,480	D790
Absorption	max 0.01%	0	D5709(2)
Durometer	Shore D	69	D2240
Tensile Impact	ft.lbs/in ²	100	D1822
Brittleness Temp.	°C/°F	<-75°C/<-130°F	D746
Vicat Softening	°C/°F	130°C/266°F	D1525
Izod Impact Resistance	ft/lb/in ²	1.4	D256
Heat Deflection Temp. 66 psi	°C/°F	87°C (188°F)	D648
Coefficient of Linear Thermal Expansion	10 ⁻⁶ in/in C deg	155	D696

All values are determined on sheet prepared according to ASTM standards.

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