"Your Premier Supplier For Sheet Extrusion"

Do you have a desire to ice skate but live in area where it is hard to find ice time? Live in area where it is not cold enough to skate on a lake or pond? Or maybe you want to skate all year long? GEM Plastics can help with GEM Ice®, our new special blend HDPE sheet. The need to add a topical solution to the surface of the sheet to make it slick is a thing of the past. We add special additives during the extrusion process that impregnates the sheet that allows it to function as ice, maybe even better!

We offer two colors, Ice White® and Ice Blue®. The sheets are also UV protected so you can leave them out in the sun for year round enjoyment. Skate in your yard, basement, garage or living room if you want! All you need is a flat surface, sharp skates and an adventurous mindset.

Do you need dasher boards, need kick plates or a custom color made into GEM Ice®? Contact your GEM Plastics Manufacturers Rep for more information and pricing

Ice White   Ice Blue

Tolerance Information:

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

Glide Properties	Coefficient of Friction per ASTM 1894 Test	
	Static	Kinetic
Ice White	.146	.129
Ice Blue	.120	.120

Test conditions: 23°C (+/- 2°C) / 50% (+/- 10%) RH
Plane: Stainless Steel #8 Finish
Apparatus Used: Instron Series 5565

Typical Properties	Units	Nominal Values	ASTM
Density	g/cc	0.962	D1505
Tensile Strength @ Yield	psi	3,600	D638
Elongation @ Break	%	650	D638
Flexural Modulus	psi	165,000	D790
Flexural Stress @ 5% Strain	psi	3,810	D790
Water Absorption	max 0.01%	<0.01	D5700
Durometer	Shore D	64.7	D2240
Tensile Impact	ft.lbs/in^2	100	D1822
Brittleness Temp.	°C/°F	<-90°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.

The Footprint We Make Matters!

AMERICAN OWNED
AMERICAN MADE

GPSS05251800TM