



Industrial Products



The super tough industrial polymer sheet

King Hy-Pact^B is the super tough industrial polymer sheet that is environmentally stabilized with excellent physical properties and is a cost effective material. Tests have shown after 2,000 hours of UV exposure, King Hy-Pact outperforms both UV stabilized HDPE and UHMW with superior toughness in wear resistance, flexibility and high-impact strength. Compared to competing materials, King Hy-Pact can save 25% to 30% in material costs. It has a clean white color with a smooth, non-skived finish for better material flow. Applications for King Hy-Pact include, but are not limited to, food processing chutes, star wheels, machine products, snowplow blades, and dock fenders. King Hy-Pact is a product of a proprietary process called K-Stran^B, the most advanced manufacturing process for producing sheets with widths up to 72", tight tolerances, custom colors and sheet sizes, and small minimum requirements. King Hy-Pact is the smart choice for many high abuse applications requiring superior properties, outstanding flatness and a smooth surface while providing significant cost savings.

KING HY-PACT[®]

Applications

- Abrasion and Wear
- Bin and Mixer Linings
- Chain and Belt Guides
- Conveyor Wear and Guide Rails
- Dock Fenders
- Food Processing
- Gears
- Low Temp. Applications
- Machine Parts
- Material Handling
- Sprockets
- Star Wheels
- Truck Bedliners

Specifications

Standard Sheet Size

in: 48" x 120

mm: 1219mm x 3048mm

Custom widths (up to 72")

Standard Gauges

in:	1/8"	1/4"	1/2"	3/4"	1"
mm:	3.175mm	6.35mm	12.7mm	19.05mm	25.4mm

Approximate Weight

lbs:	25 lbs	50 lbs	99 lbs	149 lbs	198 lbs
kg:	11.3398kg	22.6796kg	44.9056kg	67.5853kg	89.8113kg

Tolerance information:

Gauges 1/8" through 1" ± 5% | Length and width plus only at room temperature

Custom sheet sizes, gauges and colors available

Standard Color



White

*Note: Color accuracy can vary considerably on computer monitors and printers. Please consult your distributor for a product sample before making critical color choices.

Properties	Units	ASTM	Nominal Values
Density	g/cc	D1505	0.95
Tensile Strength @ Yield	p.s.i.	D638	>4,100
Elongation @ Yield	%	D638	9.6
Flexural Modulus	p.s.i.	D790	186,000
Durometer	Shore D	D2240	65
Izod Impact	ft.lbs./in ²	D256	16.6
Brittleness Temp.	°C (°F)	D746	<-90°C (<-130°F)
Vicat Softening	°C (°F)	D1525	130°C (266°F)
Heat Deflection Temp. 66 p.s.i.	°C (°F)	D648	75°C (167°F)
Coefficient of Linear Expansion	in/in/°f	D696	6.0 x 10 ⁻⁵