KING KPC ❋ HDPE
King Performance Commodities

Tolerance information:

K-Stran™
Gauges 1/8" through 1-1/2" ± 5% | Length and width plus only at room temperature

Compression Molding
Gauges greater than 1" and under 1-1/2" ± 10% | Gauges 1-1/2" and greater plus only | Length and width plus only at room temperature

*Note: HDPE Black gauges run from 1/8" through 1"
Custom thickness up to 25"/635mm with our King Size Blocks and Massive Shapes
Custom sheet sizes, gauges and colors available

Properties	Units	ASTM	Nominal Values
Density	g/cc	D1505	0.955
Tensile Strength @ Yield	psi	D638	>4,100
Tensile Modulus	psi	D638	255,000
Elongation @ Break	%	D638	>600
Elongation @ Yield	%	D638	9.8
Flexural Modulus	psi	D790	185,000
Flexural Stress @ 5% Strain	psi	D790	3,810
Compressive Properties 10% Strain	psi	D695	4,950
Durometer	Shore D	D2240	68
Tensile Impact	ft.lbs./in.^{2}	D1822	115
Izod Impact Resistance	ft.lbs./in.^{2}	D256	1.1
Bittleness Temp.	°C (°F)	D746	<-76°C (<-105°F)
Vicat Softening Temp.	°C (°F)	D1525	123°C (253°F)
Heat Deflection Temp @ 66 ps	°C (°F)	D648	75°C (167°F)
Screw & Nail Withdrawal	lbs	D1761	657 & 63
Flammability	Rating	UL94	HB

All values are determined on specimens prepared according to ASTM. Nominal values should not be interpreted as specifications. King KPC HDPE is made entirely from FDA and USDA approved material. King KPC HDPE meets ASTM D4976.

King Plastic Corporation
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