



King Performance Commodity Flame Retardant Grade High Black ABS

Tolerances

Gauges

Width/Length

1/2" - 1 1/4" ± 10% • 1 1/2" and over + only

Plus Only at Room Temp.

Properties	Units	ASTM	Nominal Value*
Density	g/cc	D1505	1.22
Tensile Strength @ Yield	p.s.i.	D638	>5500
Elongation @ Break	%	D638	40
Flexural Modulus	p.s.i.	D790	330,000
Durometer	Rockwell	D785	R-102
Izod Impact	ft. lbs./in.2	D256	4
Vicat Softening	°C	D1525	104
Heat Deflection Temp. 66 p.s.i.	°C	D648	88
UL 94 V-0 Flame Class	inch	UL 94	.058
UL 94 5V Flame Class	inch	UL 94	.108
Max. Service Temperature	°C		90
Arc Resistance, Tungsten	PLC Code	D495	7
Hot Wire Ignition	PLC Code	UL 746A	2

*All values are determined on specimens prepared according to ASTM (if applicable) Nominal values should not be interpreted as specifications.

King KPC ABS FR is environmentally stabilized and RoHS compliant.

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