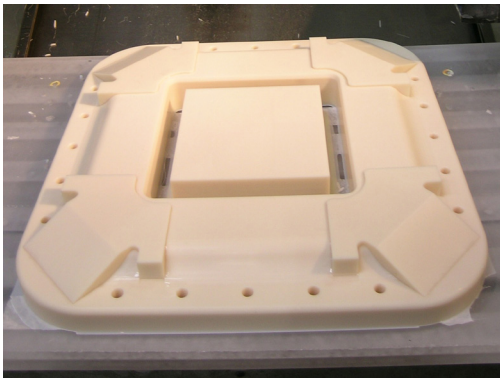


- Machine parts
- Prototype modeling
- Short run production parts
- Automotive parts
- Industrial enclosures
- Instrument panels

The advantage of King KPC ABS is that this material combines strength and rigidity of the acrylonitrile and styrene polymers with the toughness of the polybutadiene rubber. A variety of modifications have been made to improve impact resistance, toughness and heat resistance. The impact resistance does not fall off rapidly at low temperatures and stability under load is excellent with limited loads. KPC ABS is considered superior for its hardness, gloss, toughness, and electrical insulation properties. KPC ABS is easily machinable and is available in smaller sizes. It is extensively used in prototyping, the modeling industry and other mechanical applications. We also offer King KPC ABS in a FR (flame retardant) formulation for use in applications such as transformer housings, switches, shelving, air conditioner components, and a white food grade formulation which is an outstanding material for professional food services, food accessories and food operations. All King KPC ABS products are FDA approved. King KPC ABS is manufactured in our state-of-the-art compression molding system located in North Port, Florida.



For additional information visit www.kingplastic.com



Standard Colors

Natural Black White

Custom colors quoted upon request.

Standard Sheet Thickness

Standard Gauge (inches)

3/8" | 1/2" | 5/8" | 3/4" | 1" | 1 1/4" | 1 1/2"
| 1 3/4" | 2" | 2 1/4" | 2 1/2" | 3" | 4"

Standard Sheet Sizes (inches)

48" x 96" | 24" x 48"

Standard Gauges (mm)

8.81mm | 12.7mm | 15.87mm | 19mm | 25.4mm
| 31.75mm | 38.1mm | 44.45mm | 50.8mm |
57.15mm | 63.5mm | 76.2mm | 101.6mm

Standard Sheet Sizes (mm)

1219mm x 2438mm | 610mm x 1219mm

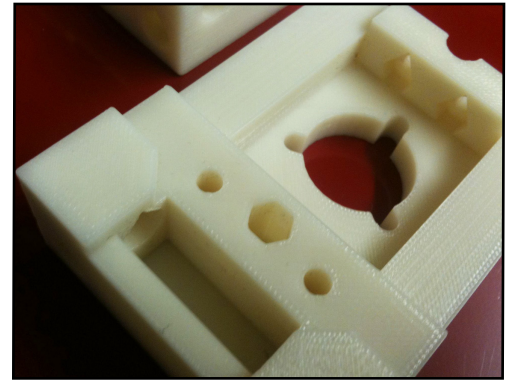
Physical Properties

Density g/cc	ABS BLK/Nat	ABS W/ht	ABS-FR
ASTM D1505	1.03	1.04	1.19
Tensile Strength @ Yield (PSI)			
ASTM D638	>6,000	>6400	>6400
Elongation@ Break %			
ASTM D638	40	24	20
Flexural Modulus (PSI)			
ASTM D790	300,000	333,000	377,000
Durometer R Scale			
ASTM D785	102	103	97
Vicat Softening Temp °F			
ASTM D1525	219°	210°	181°
Izod Impact (ft. lbs/in.)			
ASTM D256	7.7	5.6	5.51
Heat Deflection Temp at 66 psi °F			
ASTM D648	201°	206°	189°

Flammability Rating for ABS FR

Flammability Nominal Value Unit Test Method
Flame Rating UL

UL 9	Flame Rating	UL
0.0591 in	• V-O	
0.0787 in	• V-O • 5VB	
0.0984 in	• V-O • 5VB	
0.118 in	• VVO • 5VB	

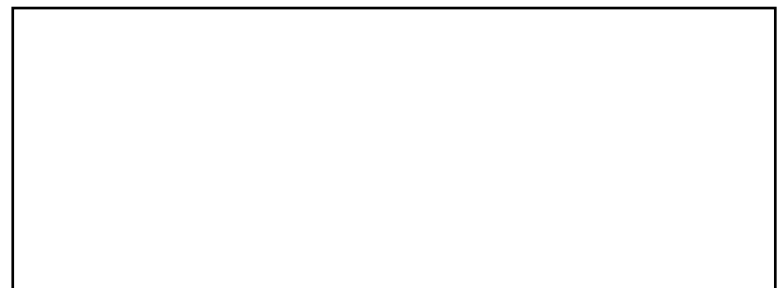


King Plastic Corporation has been developing and manufacturing quality polymer sheets, slabs and massive shapes since 1968.

The King heritage is always making a tireless commitment to innovation, quality and service. Our comprehensive line of products are manufactured at our state-of-the-art headquarters in North Port, Florida, and distributed worldwide.

King Plastic's Limited Warranty is your money back or replacement of defective material. No other warranties are expressed or implied including merchantability and fitness for a particular purpose.

Distributed By:



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