

## 1. Type

The Champion Sport Seat can be bolted onto cement risers or bleacher planks.

## 2. Back

The polypropylene back gives malleable flexibility which increases seating comfort. Seat is formed to fit the contour of the body when in the sitting position. All edges of the seat are finished with a radius. A pebble grain is available for a smooth finish. Seat back widths are 18" or 17". Seat height is 21". The back is built with solid injection molded polypropylene with maximum UV inhibitors. See following chart for properties of polypropylene. Six standard colors are available, royal blue, red, green, yellow, black and purple. Custom colors are also available in a quantity over 500.

## 3. Fixed Seat Pan:

The seat pan is fixed and is available in 18" or 17" (457mm, 432,mm) widths. Seat pan depth is 17" or 12" inches (457 mm, 305 mm). Rear edge of the seat conforms to the curvature of the back, giving the spectator long time support. The waterfall at the front of the seat pan reduces pressure points. The seat pan is bolted to top of the bleacher plank with 4 ( $\frac{3}{8}$ ") carriage bolts, two in front, two on top. Seats are attached to cement risers by means of 2 or 4 approved lead shield  $\frac{1}{4}$ " expansion bolts not less than 3" long.

## 4. Support Brace

Support brace is "solid no break polypropylene" that is corrosion and chemical resistant.. Back brace dimensions are 14" long, 2  $\frac{1}{2}$ " wide, 1" deep. The seat pan brace dimensions are 14" long, 4" wide and 3" deep. The seat pan support brace is designed to accept the seat back brace providing flex at joint for strong support. Seat components form a structural unit. See chart for properties of no break polypropylene.

Advantages of all plastic versus steel and cast iron attachment brackets is there is no rust and no chipping of paint. It has no break characteristics and will flex to adjust to site conditions. No break plastic gives you rigidity and enough flex with a no break IZOD factor of 15. No break plastic has impact resistant automotive grade application. See chart below for physical properties.

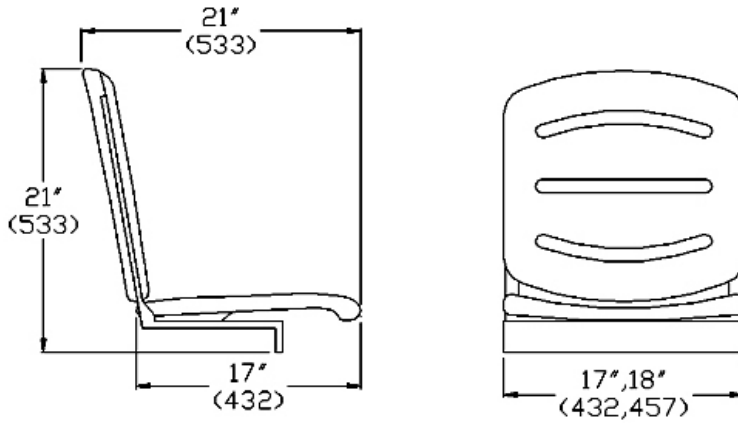
Impact results up to these temperatures showed no change.

Melting temperature is 550 °F.

IZOD test temperatures down to -40 °F.

## 5. Hardware

Automotive grade cadmium plated or stainless steel fasteners with acorn nut chrome plated nuts.



### Champion Seat Polypropylene Properties

Property No break plastic gives you rigidity and enough flex with a no break IZOD factor of 15.	Support Brace Seat and Back No Break Polypropylene
Tensile Strength (per square inch) (psi)	4,600 lbs
Flexural Strength (psi)	3,000 lbs
Flexural Modulus (psi)	80,000 lbs
IZOD	No Break IZOD 15
Melting Temperature (°F/°C)	320/160
Izod Test Temperature	-40 F Impact result showed no change
Flammability Rating	No flash point No combustion