

Safety Face Shields

Converted PETG and Polycarbonate Face Shields

K&R Plastics is a leading producer of safety face shields and visors. We fill orders ranging from 100 to 200,000+ pieces, and every order — large or small — ships same day on stock material when received before 3:00 PM CT. All shields meet or exceed ANSI Z87.1 standards; polycarbonate shields meet Z87+.

Applications

- Industrial PPE and safety operations
- Medical and dental face protection
- Food service and food processing
- Education and laboratory environments
- Welding-adjacent and high-temperature work areas (PC grade)
- Public-facing service positions (sneeze-guard equivalents)

Features & Benefits

Standard shapes in stock: 8×15.5, 9×18, 10×15.5, 10×20.

All shields are unbound with universal hole configuration.

Two material options: PETG (economical, light-to-medium impact) and polycarbonate (high-impact, Z87+ rated).

Two thicknesses stocked: .040 and .060.

Two shade options: clear or medium green.

Same-day shipping on stock items ordered before 3:00 PM CT.

Volume range from 100 to 200,000+ pieces per order.

Print & Process Compatibility

Available unprinted, screen-printed, or with applied graphics. Specify on quote.

AVAILABLE SURFACES, FINISHES & GAUGES

Surface / Finish	Description	Stock Gauges
PETG Shield, .040 / .060	Economical alternate offering light to medium impact protection with high clarity. Resists weathering, common cleaners, and harsh chemicals.	Clear or medium green
Polycarbonate Shield, .040 / .060	Best choice for higher-energy impact hazards. Exceptional heat tolerance, durability, light diffusion, and chemical tolerance. Z87+ rated.	Clear or medium green
Stock Shapes	8×15.5 · 9×18 · 10×15.5 · 10×20 (all unbound, universal hole pattern)	—

TYPICAL PROPERTIES

Property	Typical Value	Test Method
Standards Compliance		
Impact / Optical	ANSI Z87.1-2010 (or current revision) compliant	ANSI Z87.1
Polycarbonate Grade	Z87+ high-impact rating	ANSI Z87.1
PETG Material Properties		
Specific Gravity	1.27	ASTM D 792
Tensile Strength	7,700 psi	ASTM D 638
Notched Izod Impact (72°F)	1.7 ft-lb/in	ASTM D 256

Property	Typical Value	Test Method
Heat Deflection Temperature	158°F (70°C)	ASTM D 648
Polycarbonate Material Properties		
Specific Gravity	1.20	ASTM D 792
Tensile Strength (Break)	15,500 psi (72 MPa)	ASTM D 882
Impact Strength (30 mil)	120 in-lb (13.6 J)	Gardner
Deflection Temp. (264 psi)	288°F (142°C)	ASTM D 648
Light Transmission	88 – 91 %	ASTM D 1003

Caution: Face shields may shatter and do not provide unlimited protection. For your safety, please wear proper safety spectacles or goggles in addition to a face shield.

Properties reported here are typical of average lots. K&R Plastics, Inc. and its manufacturers make no representation or warranty that the material in any particular shipment will conform exactly to the values given. Unless otherwise noted, all tests run at 23°C (73°F) and 50% relative humidity. Job-specific qualification recommended for production runs — request a sample.