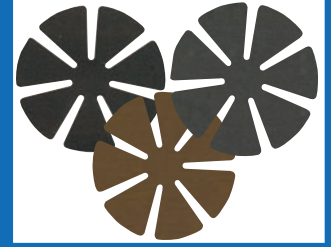


# Polycarbonate/Trivex/High Index Two Step System

Part #s: 280-3 or P400-7 & 1200-P-3



The 280 pad is a 3M silicon carbide abrasive material used mainly for fining in the radius of curvature for polycarbonate, Trivex and high index lens materials and offers aggressive stock removal. The P400, FEPA grade silicon carbide can be used as a first fine and is less aggressive than the 280 pad. Either of these pads can be used in conjunction with the second fine P-grade 1000 (1200-P-3) grit aluminum oxide pad to achieve consistent results.

## Features & Benefits

- Black silicon carbide first fine 280 grit and khaki colored second fine P1000 aluminum oxide material are compensated to .018 inches (.4572 mm) for the two-step fining procedure.
- The 280 pad is engineered for an aggressive stock removal and for fining in the accurate radius of curvature with a short cycle time, as well as removing generator marks on the lens surface.
- The P400 pad is engineered for consistent stock removal to achieve enhanced surface quality as it fines in the accurate radius of curvature with a short cycle time and removes sub surface stress fractures on the lens caused by generating.
- The P1000 has even particle distribution and consistent particle breakdown to provide a high quality second fine finish to the lens before polishing.

## Specifications

Cycle	Pad System	Time	Pressure	Speed
First Fine	280-3 or P400	30 to 60 seconds	14 to 16 psi or .25 to .30 bar	High Speed is Recom- mended
Second Fine	1200-P-3	1-1/2 to 2 min.		
Polish	449-7 Cream Polish Pad or 349-7 Yellow Polish Pad and 3320G Americal Plus or 3315G PSI Lite 10	6 min.		

### Notes:

- Filter and recirculate fining water and polish slurry.
- Maintain fining water and polish temperature at 55° to 60°F for alloy systems and 60° to 65°F for wax systems.
- First and second fine stack height is .018" or .4572mm.
- All poly and high-index materials should be processed with a premium polish.



## PRACTICAL SYSTEMS INC.

11617 Prospect Road • Odessa, FL 33556  
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**LOOK TO PSI**  
Performance • Service • Integrity

# PSI Polish Pads & Polish

## Series 347 & 449 Pads Americal Plus & PSI Lite 10

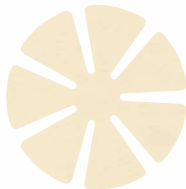


### Yellow Ultimate (349 series)



- Designed for high index, polycarbonate and CR-39 materials.
- Allows for aggressive stock removal with abrasive resistant rayon fibers for longer polishing cycles.
- Part #: 349-7 - 3" round; 350-349-7 - 3.5" round; EL2-349-7 - 3" winged high tack.

### Cream Ultra (449 series)



- Has a unique textile base that provides excellent strength and conforming properties.
- Engineered to maximize fiber retention during extended polishing cycles.
- Part #: 449-7 - 3" round; 350-449-7 - 3.5" round; EL2-449-7 - 3" winged high tack.

### PSI Lite 10



- High grade polish that works well on plastic, polycarbonate and high index lenses.
- Has an extended life with excellent suspension agents.
- Achieves a high surface quality rating and is recommended for lenses that are to be AR coated.
- Excellent sheeting action and exceptional product performance.
- Baume: 20° - 24°; pH: 3.0 - 4.2; Particle Size (D50): 1.2 - 2.2 $\mu$
- Part #: 3313G - gallon; 3313P - 5-gallons

### Americal Plus



- For use on all plastic, high index, mid-index and polycarbonate surfaces.
- Tight particle size ensures consistently high cut rates while maintaining a brilliant surface.
- Superior suspension system, will not hard settle or cake on equipment.
- Ideal for AR and hard coatings.
- Long life and aggressive use in polycarbonate designated systems.
- Baume: 25° - 30°; pH - 3.0 - 4.2; Particle size (D50): 1.2 - 2.2 $\mu$
- Part #: 3320G - gallon; 3320P - 5 gallons



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