

TECHNICAL DATA

WINDSHIELDS

Piaggio P.180



PPG Aerospace – Transparencies is a leading and experienced manufacturer of original-equipment and replacement windshields for Piaggio P.180 airplanes.

PPG worked with Piaggio to design the all-glass windshields for the P.180 and has produced them since the program was launched. The same-design windshields PPG supplies Piaggio are available to operators for direct purchase, simplifying ordering and optimizing delivery timing.

The PPG windshields are among the largest for general aviation aircraft. They are made of two plies of HERCULITE® II chemically strengthened glass by PPG, which has been proven in field service for commercial, regional and general aviation aircraft. The high strength-to-weight ratio and optical clarity of the design meet the operating requirements for the P.180.

The lighter-weight hoop-tension-loaded design makes the windshield a structural component on the aircraft. To reduce the potential for moisture ingress, the windshield has a fiber glass Z-strap underneath the polysulfide hump seal. PPG 112 urethane provides a moisture-resistant bond for the outboard and core glass plies.

Operators know they can count on PPG Aerospace for transparencies that provide significant value because of their reduced life-cycle cost as a result of their exceptional service life.

Windshield

Features

Original Equipment Manufacturer (OEM) Since Program Inception

Replacement Parts Direct From the Manufacturer

All-Glass Design

Herculite® II Chemically Strengthened Glass by PPG

PPG 112 Urethane Interlayer

Aircon® Anti-ice System

PR-1425 Polysulfide Moisture Seal

Bird-Impact Resistant

Structurally Loaded Design

Fiber Glass Z-Strap

Benefits

- Latest design configuration and upgrades
- Approval recognized by worldwide aviation authorities
- Proven reliability
- PPG worldwide technical support and expertise

- Same-design windshields PPG supplies Piaggio
- Reduced purchasing time
- Inventory flexibility
- Convenience

- Scratch and craze resistance
- Chemical and abrasion resistance

- High strength-to-weight ratio
- Lightweight window
- Greater stiffness
- Less deflection
- Superior optical quality
- Improved residual visibility

- Highly resistant to moisture damage for increased service life
- Maximum adhesion to glass for resistance to delamination
- Low-temperature elasticity with reduced potential for delamination and cold-chipping

- Excellent heating uniformity
- Excellent powered optics

- Provides superior protection against moisture ingress

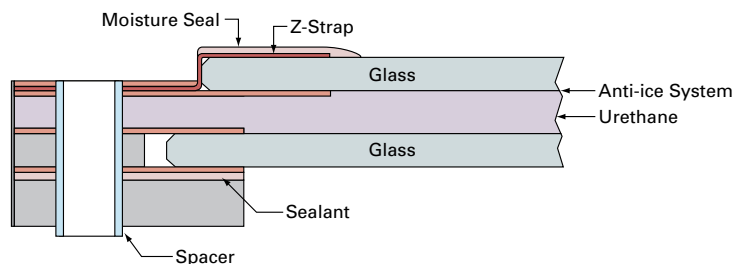
- Designed to withstand impact of a 2-pound bird at 205 knots

- Lightweight

- Physical barrier helps reduce moisture penetration

PIAGGIO P.180

Windshield



Part Numbers

Pilot Windshield	NP-165251-01
Copilot Windshield	NP-165251-02
Hump Seal Repair Kit	HSKPIAGGIO

Hump Seal Repair Kits

A windshield's outboard moisture seal, or hump seal, is subjected to wind and rain erosion and UV exposure, causing it to degrade over time. A well-maintained seal protects against moisture ingress, a leading cause of premature service life failure. Seals can be repaired to OEM specification using PPG hump seal repair kits. Designed for specific aircraft, the kits contain everything needed to perform on-wing repair of outboard moisture seals and extend windshield service life. Ask your PPG representative for details.

Ordering Information

Orders may be placed through PPG Aerospace's worldwide network of application support centers (ASCs) and sales offices. For the ASC or sales office nearest you, visit www.ppgaerospace.com.

In North America, call toll-free +1 (800) AEROMIX.

Pricing, warranty and delivery details are available from your PPG Aerospace – Transparencies sales representative.



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