F-16 Transparencies & Canopy Dry Seals

Texstars raised the technology level of the transparency with the wraparound canopy, originally designed and built for the F-16.

Still one of Texstars’ premier products today, the F-16 canopy has set the industry standard for product excellence and has contributed to both Texstars’ superior reputation in the world-wide F-16 community and the F-16’s dominant position in the fighter aircraft market.

The US Air Force buys 550 Knot Canopies. The 550 Knot Canopy deflects a 4lb bird at 550 knots and has same form and fit to the 350 Knot Canopy. In certain instances, depending on the damage, Texstars canopies can be repaired. (Specifically coating systems which allow Texstars to strip and recoat).

Please contact us for pricing and availability | sales@aeroprecision.com
F-16 TRANSPARENCIES
Superior quality, technology, and performance for F-16 operators world-wide

SUPERIOR DESIGN
Texstars F-16 transparencies are designed to meet or exceed all operator performance requirements. Superior cross-section designs provide the increased bird-strike protection associated with Texstars transparencies, some of which will withstand the impact of a 4-pound (1.8kg) bird at 550 knots. Sophisticated coating systems provide optimum light transmission profiles, environmental durability and other advantageous characteristics.

AS 9100 QUALITY & PRECISION MANUFACTURING
These high-quality F-16 transparencies are manufactured at our AS 9100-certified Texas facility. Precision tooling and manufacturing techniques ensure that Texstars transparencies are fully interchangeable, resulting in predictable change-out experience for field personnel.

F-16 CANOPY DRY SEALS
Innovative dry seals for increased readiness, lower life cycle cost

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<th>NOMENCLATURE</th>
<th>DESCRIPTION</th>
<th>NSN</th>
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F-16 TSI PN NOMENCLATURE DESCRIPTION NSN
5003825-10 A/C Fwd Pressure Seal 5330 01-351-2120WF
5003826-01 A/C Aft Pressure Seal 5330-01-351-2121WF
5003827-10 B/D Fwd Pressure Seal 5330 01-351-2122WF
5003828-10 B/D Aft Pressure Seal 5330-01-351-2123WF
5003864-03 A/C Conductive Fairing Seal 5330-01-353-7225WF
5003864-07 B/D Fwd Conductive Fairing Seal 5330-NC-E50-1084WF
5003864-09 B/D Aft Conductive Fairing Seal 5330-NC-E50-1085WF
5003864-01 Conductive Fairing Seal Roll (50 ft.) 5330-01-353-7224WF
5004176-30 A/B Fwd Nose Cover 1560-01-437-5665WF
5004176-10 C/D Fwd Nose Cover 1560-01-420-9453WF

Authorization for use and ordering information is contained in the F-16 Technical Order (T.O.) and Illustrated Parts Book (IPB) associated with the F-16 canopy.

Fairing Seal
The Fairing Seal is installed atop the aluminum canopy fairing, and provides a seal against rain and water. Because the Fairing Seal is manufactured from special conductive material, it also provides a secondary channel for the dissipation of electrostatic charge when used in conjunction with Texstars’ ESD-coated transparencies.

Forward Nose Cover
The Forward Nose Cover protects the nose of the canopy transparency and the forward ends of the fairing seals. By resisting aerodynamic forces, the Forward Nose Cover prevents potential damage to the leading edge of the transparency coating as well as the Fairing Seals.

Pressure Seal
Texstars’ Dry Seal system Pressure Seal is installed between the canopy frame and transparency to establish an airtight seal. It eliminates the need for wet sealant between the frame and transparency.