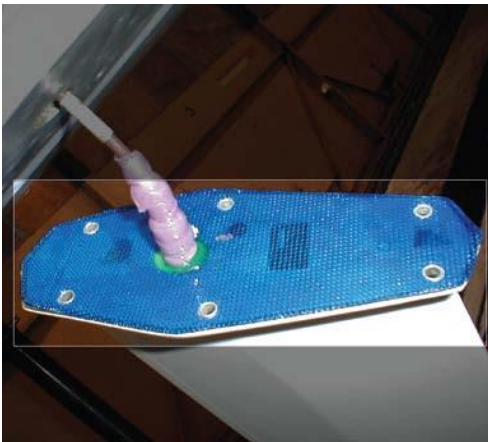


Polyurethane Conductive Gasket

HI-TAK® Polyurethane Conductive Gasket

This is a pre-cured polyurethane antenna gasket with aluminum carrier die cut to fit the antenna. It is also designed for use as an environmental sealant. The flexible nature of this system provides for easy access for inspection or repair long after the original application. System demonstrates excellent cohesion after installation, and provides a high degree of environmental protection, while still allowing for easy removal and antenna bonding.



Part of the TripleSeal® Antenna Solution

HI-TAK® Polyurethane Conductive Gasket seals antenna-aircraft interface

StretchSeal™ polyurethane wrap for coaxial connector sealing

Self-Leveling Green® polyurethane sealant at connector-antenna interface

| Feature | Benefit |
|---|---|
| Antenna to structure sealing over the entire surface area | Corrosion prevention, improved avionics reliability, antenna repair/scrap cost avoidance, structural repair cost avoidance, diversion/cancellation/delay cost avoidance |
| Reduction in antenna removal/replace cycle time | Reduction in: return-to-service time, troubleshooting time, labor cost, hanger time and gate delays |
| Elimination of antenna perimeter sealants | Elimination of cure time and hazardous material |
| Consistent, easy installation | Die cut gaskets assure proper sealing with 100% gasket to surface contact |
| Polyurethane material | Non-hazardous, no silicone oil residue before, during or after installation or removal, no issues with paint adhesion or prep, no peripheral silicone contamination |
| Excellent material memory and elasticity | Sealing is maintained during vibration and thermal expansion and contraction |



Standard Polyurethane Conductive Gasket material and Self-Leveling Green®

Typical Physical Properties

| | |
|---|--|
| Part Number Series | AGXXXXXX-YY |
| Frame (Mesh) | 5056 Aluminum Alloy |
| Thickness | Standard material before compression 55 mils. Custom thickness available at customers request |
| Weight/Area | 0.037 oz/in ² (0.163 g/cm ²) |
| Shelf Life | Indefinite (in original packaging and protected from UV exposure) |
| Bonding Resistance | Meets MIL-B-5087 Class "R", ≤ 2.5mΩ |
| Water absorption (ASTM D-543) | < 1 percent (168 hour immersion) |
| Propylene Glycol/Water absorption (ASTM D-543) | < 1 percent (96 hour immersion) |
| Skydrol LD-4 absorption (ASTM D-543) | < 10 percent (35 minute immersion) |
| Jet A absorption (ASTM D-543) | < 10 percent (35 minute immersion) |
| Service Temperature Guide | -65°C to 135°C (-85°F to 275°F) |
| Reactivity to Polyethylene and Aluminum | None. (Product supplied fully cured) |
| MSDS | SDS information can be requested at info@avdec.com |

For Av-DEC gasket numbers that correspond to your antenna part numbers, contact us at info@avdec.com or for a full list of NSN's please visit our website, www.avdec.com