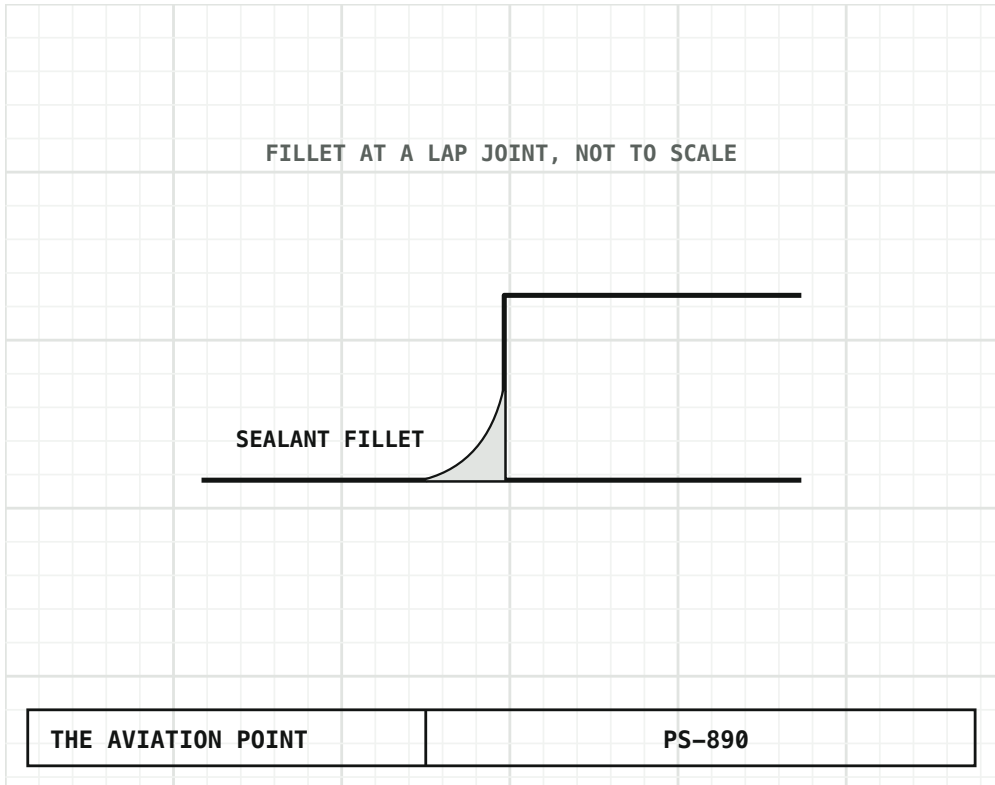
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The Aviation Point

PS-890 — polysulfide sealant

Polysulfide is the classic aircraft sealant: two parts mixed, cured at room temperature to a flexible fuel-resistant rubber.



Schematic

Designation

Item	Value
Designation	PS-890
Class	Sealants
Type	polysulfide sealant

Data from the guide

Item	Value
Product	PS-890
Maker	PPG
Form and class	Two-part, manganese dioxide cured; Classes A, B, C
Life and cure (from the source)	Distributor lists A-2 at 2 h, B-4 at 4 h, C-80 at 80 h
Specification stated	AMS-S-8802, BMS 5-45 (distributor)

Sources: PPG PR-1422 sheet (09/10); distributor listings for PS-890 and PR-1440; PPG PR-1776M page; Flamemaster CS 3201 bulletin. Distributor lists are not PPG data sheets.

In stock

Distributor sheet	Listed
Pro-Seal Fuel Tank Sealant 890 A2	Class A · brush · 3.5 fl oz
Pro-Seal Fuel Tank Sealant P/S 890 B2	Class B · fillet · -54/121 °C

As distributors list them, not a statement of what a specification allows.

As listed by the sellers

Item	Value
Type	Two-part manganese dioxide cured polysulfide
Class	A: brush and fay sealing, up to 25 mils
Service temperature	-54 °C to 121 °C, excursions to 135 °C
Class	B: low-sag paste for fillet sealing
Grade	B2

The seller's statements, not a qualification.

Notes

- **Distributor lists** for PR-1440 and PS-890: they are not PPG data sheets.
- **No cross-reference table is authoritative.** The SRM and the specification's QPL decide equivalents.
- **Specifications are cited as the sources print them.** AMS-S-8802 text is paid and was not read.

SOURCES · PPG Aerospace, PR-1422 Class B Fuel Tank Sealant, data sheet · Flamemaster Corporation, Chem Seal CS 3201 Technical Bulletin · PPG PS890 B-1/2 Fuel Tank Sealant · PPG PR-1440 B-1/2 Fuel Tank Sealant · PPG Aerospace, PR-1776M Class B Low Weight Fuel Tank Sealant, PPG PR1776M B-2 Low Weight Fuel Tank Sealant · Sealant application bulletin: class and applications · SAE International, AS5127/1C: Test Methods for Aerospace Sealants, Two-Component Synthetic Rubber Compounds · Distributor listings

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/materials/ps-890/

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