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Polythioether Aircraft Sealant: What It Is and How to Identify It

Polythioether is the other main family of two-part aircraft sealant rubber.

How to identify the type

Where to look	What it tells you
Data sheet, product description	The chemistry the maker states
Specification line (AMS-S-8802, AMS 3281, BMS 5-45 and so on)	The qualified class and type
SRM or AMM material list	The sealant allowed on this aircraft

Key points

- **No polythioether data sheet read.** No figures are given.
- **The only named product here is PR-1776M**, and PPG calls it a modified polysulfide.

SOURCES · PPG Aerospace, PR-1776M Class B Low Weight Fuel Tank Sealant, PPG PR1776M B-2 Low Weight Fuel Tank Sealant · SAE International, AS5127/1C: Test Methods for Aerospace Sealants, Two-Component Synthetic Rubber Compounds · Socomore, SkyRestore Cured Sealant Remover, Technical Data Sheet

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 Educational reference only, not approved data. Always consult the applicable SRM, AMM, or AC 43.13-1B and your certifying authority.