Aerospace Sealants

4 Plum Ct.
Sleepy Hollow, Illinois 60118

NSL1422-B1/2 Aircraft Integral Fuel Tank Sealant

Product Description:

NSL1422-B1/2 is a fuel resistant sealant for use on integral fuel tanks and pressurized cabins as well as other areas subject to contact with aircraft fuels, lubricants, oils, water and/or weathering.
NSL1422-B1/2 is a two-part polysulfide base compound which cures at room temperature to a flexible, resilient rubber.
When mixed NSL1422-B1/2 is a thixotropic paste that will not flow with a mixed application life of ½ hour.

Product Features:

- Excellent adhesion to aluminum, magnesium, titanium, steel and numerous other aircraft substrates.
- Designed to withstand the attack of sulfur compounds that are present in jet fuels and aviation gas.
- Service temperature range -65ºF(-54ºC) to 250ºF(121ºC) with excursions to 275ºF(135 ºC).
- Suitable for application by extrusion gun or spatula.

Heat Accelerated Curing:

Increased temperature and relative humidity will reduce work life and speed up the cure. Reduced temperature and relative humidity will extend work life and slow the cure.

Replacement For:

PR-1422 Class B, PR-1440 Class B and ProSeal 890. Tested and conforms to requirements of AMS-S-8802, BMS5-26 and BMS5-44 materials.

Packaging:

Available 2½ and 6 oz. cartridges. Pint, Quart and Gallon Kits. Other size packaging available upon request.

Shelf-life:

Sealed containers 9 months when stored below 80°F. Slight changes in work life, viscosity and curing rate may occur but will not affect end performance of the product.

Typical Properties:

UNCURED	
Color: Base	Off-white
Curing Agent	Gray
Mixed	Gray
Mixing Ratio: (by weight)	100:10
(by volume)	100:8.3
Non Volatile Content	96%
Viscosity, poise	
Base	11,000[2]
Curing Compound	1,000[1]
Specific Gravity	1.25
Consistency	Paste
Working time, hrs. @ R.T.[3]	1/2
Tack Free Time, hrs. @ R.T.[3]	<8
Time to 35 Shore A	30 hr.
CURED – ROOM TEMPATURE	
Cured – 7 days @ R.T.[3]	
Tensile Strength, PSI	250
Elongation, %	250
Durometer, Shore A	50
Min. Peel Strength, PPI	35
Flash Point	>200ºF
Fungus Resistance	Non-nutrient

[1] Brookfield RVF Spindle #6
[2] Brookfield RVT Spindle #7
[3] Conditions 77ºF and 50% R.H.

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