



NSL1750 Class B High Temperature Fuel Tank Sealant

Product Description:

NSL1750 Class B is a high temperature, aircraft integral fuel tank and fuselage sealant. This material is designed for fillet sealing of fuel tanks and other areas requiring a weather tight and fuel resistant seal.

NSL1750 Class B is a two-part sealant. When mixed, NSL1750 Class B is a thixotropic paste that will not flow. For mixed application life details see cure profile below.

Product Features:

- Excellent adhesion to aluminum, magnesium, titanium, steel and numerous other aircraft substrates.
- Elastomeric properties designed for prolonged exposure to jet aircraft fuels and aviation gas.
- Service temperature range -65°F(-54°C) to 250°F(121°C) with intermittent excursions up to 360°F (182 °C).
- 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-1750 Class B

Conforms² To:

AMS3276 & MIL-S-83430 by FAA-PMA Approval

Cure Profile:

| | B-1/2 | B-2 |
|-------------------------------------|-------|-----|
| Application Life (hrs) ¹ | 1/2 | 2 |
| Tack Free Time (hrs) ¹ | 20 | 20 |
| Cure Time to 35 Shore A (hrs) | 30 | 72 |

Packaging:

Available in 2½ and 6 oz. cartridges, pint, quart and gallon kits. Also available in premixed and frozen cartridges. 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 | White |
| | Curing Agent | Black |
| | Mixed | Gray |
| Mixing Ratio: (by weight) | | 100:10 |
| Non-volatile Content: | | 97% |
| Viscosity, poise | | |
| | Base | 12,000 |
| | Curing Compound | 1,000 |
| Specific Gravity | | 1.60 |
| Consistency | | Paste |
| CURED – ROOM TEMPERATURE | | |
| Cured – 7 days @ R.T. ¹ | | |
| | Tensile Strength, PSI | 500 |
| | Elongation, % | 400 |
| | Durometer, Shore A | 45 |
| | Peel Strength, PPI | 45/55 |
| | Corrosion Resistance | Excellent |
| | Reparability | Excellent |
| Fungus Resistance | | Non-nutrient |

¹ Conditions 77°F and 50% R.H.

² Material and data depicted on this TDS is provided to Aerospace Sealants by the approved manufacture supplier(s) for this material. Qualification and inclusion on the QPL(s) is by the supplier(s) per their material identification and conforms as required by the governing specification.