

## 3M AC-736 B-2 Aerospace Sealant

Category : Polymer , Thermoset

### Material Notes:

3M Aerospace Sealant AC-736 B-2 is a non-chromate corrosion inhibiting sealants, fast cure, low density two-component, manganese dioxide cure, polysulfide fuselage sealant. These Sealants act as an effective barrier against the common causes of corrosion on aluminum and between dissimilar metals. 3M AC-736 B-2 Sealants has outstanding resistance to aviation gasoline and jet fuel, as well as resistance to chemicals, hydraulic fluids and petroleum products common to the aircraft industry. 3M AC-736 B-2 Sealant maintains its flexibility and bond strength on most metal substrates such as aluminum, titanium, steel, stainless steel, and many other extremes for temperature, weathering and stress. The mixed compound is a flowable, fay surface grade material, easily applied by spatula, brush, roller or extrusion gun. They maintain flexibility and bond strength on most metal substrates under extremes of temperature, weathering stress. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-AC-736-B-2-Aerospace-Sealant.php](http://www.lookpolymers.com/polymer_3M-AC-736-B-2-Aerospace-Sealant.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	cured 14 days @ 50% RH
Volatiles	4.0 %	4.0 %	
Brookfield Viscosity	900000 - 1.60e+6 cP	900000 - 1.60e+6 cP	Base, RVF #7 sp @ 2 rpm

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	42 - 48	42 - 48	cured 14 days @ 50% RH
Tensile Strength at Break	1.59 MPa	231 psi	MIL-PRF-81733 AND AS5127A
	@Temperature 336 °C	@Temperature 637 °F	
	1.86 MPa	270 psi	MIL-PRF-81733 AND AS5127A
	@Thickness 3070 mm, Temperature 168 °C	@Thickness 121 in, Temperature 334 °F	
	1.86 MPa	270 psi	MIL-PRF-81733 AND AS5127A
	@Treatment Temp. 121 °C, Time 605000 sec	@Treatment Temp. 250 °F, Time 168 hour	
Elongation at Break	170 %	170 %	72 hrs in JRF is 60°C, 72 hrs at 49°C, 7 days at 121°C; MIL-PRF-81733 AND AS5127A
	120 %	120 %	
	@Temperature 121 °C, Time 605000 sec	@Temperature 250 °F, Time 168 hour	MIL-PRF-81733 AND AS5127A
	390 %	390 %	Standard Cure; MIL-PRF-81733 AND

Mechanical Properties	Metric	English	AS5127A Comments
	@ Time 1.21e+6 sec	@ Time 336 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	cured 14 days @ 50% RH
Minimum Service Temperature, Air	-54.0 °C	-65.2 °F	cured 14 days @ 50% RH

Processing Properties	Metric	English	Comments
Cure Time	720 min	12.0 hour	Tack-Free Time
	720 min	12.0 hour	
Shelf Life	9.00 Month @Temperature <=26.7 °C	9.00 Month @Temperature <=80.1 °F	

Descriptive Properties	Value	Comments
Appearance	Brown	Accelerator
	Dark Brown	
	Off White	Base

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China