

## 3M AC-770 Class B-2 Aerospace Sealant

Category : Polymer , Thermoset

### Material Notes:

3M Aerospace Sealant AC-770 Class B are fast cure, low density two-component, manganese dioxide cure, polysulfide fuselage sealants. 3M AC-770 Class B Sealants have outstanding resistance to aviation gasoline and jet fuel, as well as resistance to chemicals and petroleum products common to the aircraft industry. 3M AC-770 Class B Sealants maintain flexibility and bond strength on most metal substrates like aluminum, titanium, stainless steel, steel, and many coatings under extremes of temperature, weathering and stress. The mixed compound is a thixotropic paste easily applied by extrusion, injection gun or spatula. They have excellent tooling properties. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-AC-770-Class-B-2-Aerospace-Sealant.php](http://www.lookpolymers.com/polymer_3M-AC-770-Class-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	1.5 %	1.5 %	
Brookfield Viscosity	950000 - 1.30e+6 cP	950000 - 1.30e+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	1.72 MPa	249 psi	Standard Cure in ASTM Fuel B in ASTM D471 Reference Fuel B
	@Temperature 336 °C	@Temperature 637 °F	
Elongation at Break	1.83 MPa	265 psi	7 days @ 49°C in ASTM Fuel B 48 hrs @ 49°C
	@Temperature 49.0 °C, Time 173000 sec	@Temperature 120 °F, Time 48.0 hour	
	330 %	330 %	Standard Cure in ASTM Fuel B in ASTM D471 Reference Fuel B
	@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	420 - 480 min	7.00 - 8.00 hour	Tack-Free Time

Processing Properties	Metric	English	Comments
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.

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