

3M AC-360 Class B-2 Aerospace Sealant

Category : Polymer , Thermoset

Material Notes:

3M Aerospace Sealant AC-360 Class B are fast cure, intermediate density two-component, manganese dioxide cure, polysulfide fuel tank and fuselage sealant. 3M AC-360 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-360 Class B Sealants maintain flexibility and bond strength on most metal substrates such as aluminum, titanium, steel, stainless 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. It has excellent tooling properties. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-AC-360-Class-B-2-Aerospace-Sealant.php

Physical Properties	Metric	English	Comments
Density	<= 1.40 g/cc	<= 0.0506 lb/in ³	cured 14 days @ 50% RH
Volatiles	2.0 %	2.0 %	
Brookfield Viscosity	750000 - 1.10e+6 cP	750000 - 1.10e+6 cP	Base, RVF #7 sp @ 2 rpm

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50 - 55	50 - 55	cured 14 days @ 50% RH
Tensile Strength at Break	1.10 MPa	160 psi	7 days in BMS-3-11 ty IV
	1.90 MPa	276 psi	Standard Cure
	2.07 MPa	300 psi	7 days JRF
Elongation at Break	550 %	550 %	Standard Cure
	780 %	780 %	7 days JRF
	800 %	800 %	7 days in BMS-3-11 ty IV

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	cured 14 days @ 50% RH
	182 °C	360 °F	Short term, 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	480 min	8.00 hour	Tack-Free Time

Processing Properties	^{180 min} Metric	^{8.00 hour} English	Comments
Shelf Life	6.00 Month @Temperature <=26.7 °C	6.00 Month @Temperature <=80.1 °F	

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

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