

3M AC-360 A-2 Aerospace Sealant

Category : Polymer , Thermoset

Material Notes:

3M Aerospace Sealant AC-360 A-2 is a fast cure, intermediate density two-component, manganese dioxide cure, brushable, polysulfide fuel tank and fuselage sealant. 3M AC-360 A-2 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 pourable liquid easily applied by brush or roller. It has excellent tooling properties. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-AC-360-A-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	12 %	12 %	
Brookfield Viscosity	10000 - 35000 cP	10000 - 35000 cP	Base, RVF #6 sp @ 10 rpm

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48 - 53	48 - 53	cured 14 days @ 50% RH
Tensile Strength at Break	1.52 MPa	220 psi	Standard Cure
	2.08 MPa	302 psi	7 days JRF
Elongation at Break	386 %	386 %	Standard Cure
	506 %	506 %	7 days JRF

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	420 - 540 min	7.00 - 9.00 hour	
	480 min	8.00 hour	Tack-Free Time
Shelf Life	2.00 - 6.00 Month	2.00 - 6.00 Month	
	@Temperature <=26.7 °C	@Temperature <=80.1 °F	

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

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