

3M AC-236 Class C-20 Aerospace Sealant

Category : Polymer , Thermoset

Material Notes:

3M Aerospace Sealant AC-236 Class C are two-component, manganese dioxide cured, liquid polysulfide polymer systems providing excellent fuel tank and fuselage seals. They have outstanding resistance to aviation gasoline a jet fuel, as well as resistance to aviation gasoline and jet fuel, as well as resistance to chemicals and petroleum products common to the aircraft industry. 3M AC-236 Class C Sealants maintain flexibility and bond strength on most metal substrates like aluminum, stainless steel, steel, and many coatings under extremes of temperature, weathering and stress. The mixed compound is a flowable, faying surface grade material easily applied by brush, roller, spatula or extrusion gun. They have excellent tooling properties. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-AC-236-Class-C-20-Aerospace-Sealant.php

Physical Properties	Metric	English	Comments
Density	1.64 g/cc	0.0592 lb/in ³	cured 14 days @ 50% RH
Volatiles	7.0 %	7.0 %	
Brookfield Viscosity	70000 - 160000 cP	70000 - 160000 cP	Accelerator, RVF #7 sp @ 2 rpm
	150000 - 350000 cP	150000 - 350000 cP	Base, RVF #7 sp @ 2 rpm

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	cured 14 days @ 50% RH
Shear Strength	1.97 MPa	285 psi	cured 14 days @ 50% RH

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	3600 min	60.0 hour	Tack-Free Time
Shelf Life	9.00 Month	9.00 Month	
	@Temperature <=26.7 °C	@Temperature <=80.1 °F	

Descriptive Properties	Value	Comments
Appearance	Black	Accelerator

Gray

Descriptive Properties	Value	Comments
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