

3M AC-665 Class B-2 Aerospace Sealant

Category : Polymer , Thermoset

Material Notes:

3M Aerospace Sealant AC-665 Class B are two-part, manganese-cured, chromate containing, corrosion inhibiting sealants. These Sealants provide an effective barrier against the common causes of corrosion on aluminum and between dissimilar metals. 3M AC-665 Class B Sealants have outstanding resistance to aviation gasoline and jet fuel, as well as resistance to chemicals, hydraulic fluids and petroleum products common to the aircraft industry. The mixed compound is a thixotropic paste, easily applied by spatula, extrusion gun or injection 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-665-Class-B-2-Aerospace-Sealant.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	MIL-PRF-81733
Volatiles	2.0 %	2.0 %	
Brookfield Viscosity	600000 - 1.40e+6 cP	600000 - 1.40e+6 cP	Base, RVF #7 sp @ 2 rpm

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	52	52	MIL-PRF-81733
Elongation at Break	425 %	425 %	MIL-PRF-81733

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	MIL-PRF-81733
Minimum Service Temperature, Air	-54.0 °C	-65.2 °F	MIL-PRF-81733

Processing Properties	Metric	English	Comments
Cure Time	1200 min	20.0 hour	Tack-Free Time
	2400 min	40.0 hour	
Shelf Life	9.00 Month @Temperature <=26.7 °C	9.00 Month @Temperature <=80.1 °F	

Descriptive Properties	Value	Comments
Appearance	Black	Accelerator
		Base

Descriptive Properties	Yellow Value	Comments
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