

3M AC-665 Class C-48 Aerospace Sealant

Category : Polymer , Thermoset

Material Notes:

3M Aerospace Sealant AC-665 Class C 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 C 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 flowable, faying surface grade material, easily applied by brush, spatula, extrusion gun or roller. 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-C-48-Aerospace-Sealant.php

Physical Properties	Metric	English	Comments
Density	1.52 - 1.55 g/cc	0.0549 - 0.0560 lb/in ³	MIL-PRF-81733D
Volatiles	7.0 %	7.0 %	
Brookfield Viscosity	200000 - 350000 cP	200000 - 350000 cP	Base, RVF #6 sp @ 2 rpm

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45 - 50	45 - 50	MIL-PRF-81733D
Tensile Strength at Break	1.79 MPa	260 psi	MIL-PRF-81733D
Elongation at Break	550 %	550 %	MIL-PRF-81733D

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

Processing Properties	Metric	English	Comments
Cure Time	3360 min	56.0 hour	
	10100 min	168 hour	Tack-Free Time
Shelf Life	9.00 Month @Temperature <=26.7 °C	9.00 Month @Temperature <=80.1 °F	

Descriptive Properties	Value	Comments
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Appearance

Descriptive Properties	Black Value	Comments
	Black	Accelerator
	Yellow	Base

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