

Permabond A126 Anaerobic Retainer

Category : Polymer , Adhesive , Thermoset , Acrylic/Cyanoacrylate Adhesive

Material Notes:

Permabond® A126 is a high-strength anaerobic adhesive for permanent assembly of coaxial assemblies or threaded metal components. The exceptionally low viscosity of this product makes it ideal for use on tight fitting components or where the adhesive needs to be applied after assembly. In addition it may also be used to seal porosity in welds or castings. Features & Benefits Vibration resistant Can be applied post-assembly Improved fatigue life Seals porosity in welds and castings WRAS listed for contact with wholesome (potable) water
Information provided by Permabond.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Permabond-A126-Anaerobic-Retainer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	Uncured
Viscosity	10 - 30 cP @Temperature 25.0 °C	10 - 30 cP @Temperature 77.0 °F	Uncured
Storage Temperature	5.00 - 25.0 °C	41.0 - 77.0 °F	

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	10.0 - 20.0 MPa	1450 - 2900 psi	steel collar and pin shear; ISO 10123

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 µm/m-°C	50.0 µin/in-°F	
Thermal Conductivity	0.190 W/m-K	1.32 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	11.0 kV/mm	279 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	4.98 min @Temperature 23.0 °C	0.0830 hour @Temperature 73.4 °F	Brass, handling strength
	15.0 min @Temperature 23.0 °C	0.250 hour @Temperature 73.4 °F	M10 steel, handling strength
	30.0 min @Temperature 23.0 °C	0.500 hour @Temperature 73.4 °F	Brass, working strength

Processing Properties	60.0 min Metric	1.00 hour English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	200. handling strength
	60.0 min	1.00 hour	M10 steel, working strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	360 min	6.00 hour	Stainless steel, handling strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1440 min	24.0 hour	Zinc, working strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1440 min	24.0 hour	M10 steel, full strength
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Descriptive Properties	Value	Comments
Appearance	Green	Uncured
Maximum Gap Fill (mm)	0.05	
Maximum Thread Size	M10	
Strength Retention	50% at 150°C	Relative to 0°C
	80% at 100°C	Relative to 0°C
	93% at 50°C	Relative to 0°C
Torque Strength (N m)	14	M10 steel, break
	34	M10 steel, prevail
UV Fluorescence	Yes	Uncured

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