

Resinlab® CYNERGY CA6810 Adhesive

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

Material Notes:

Description: The CYNERGY 6800 SERIES are clear, high strength products ideal for bonding dissimilar materials with excellent performance on a wide range of surfaces. This series of products has USP Class VI Certification and are commonly used in assembling medical devices. **Application:** The CYNERGY SERIES of the cyanoacrylates should be applied in small amounts to one surface only. The parts should then be mated together under slight pressure. This causes the adhesive to spread out into a thin film and assures optimum adhesive performance. The pressure need only be applied for several seconds. The CYNERGY SERIES cures rapidly allowing for bonded parts to be handled within 10 to 60 seconds for most applications. Full cure is normally within 24 hours. Information Provided by Resinlab L.L.C., an Ellsworth Adhesives Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Resinlab-CYNERGY-CA6810-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	
Viscosity	1500 cP	1500 cP	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.6 MPa	2700 psi	
Adhesive Bond Strength	29.6 MPa	4300 psi	Steel lap shear

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	93.3 °C	200 °F	
Minimum Service Temperature, Air	-53.9 °C	-65.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	>= 0.250 min	>= 0.00417 hour	Fixture
	480 min	8.00 hour	Full cure

Descriptive Properties	Value	Comments
Base	Ethyl	
Color	Clear	
Gap Fill (mil)	8	

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