

Resinlab® CYNERGY CA6903 Adhesive

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

Material Notes:

Description: The CYNERGY 6900 SERIES are for use in demanding applications where very fast cure speeds and high temperature resistance are required. These are single component solvent free materials, manufactured in a wide variety of viscosities and setting times to satisfy specific bonding applications. Substrates such a wood, plastics, metal, rubber, or other materials are bonded quickly and effectively with the Cynergy 6900 series. These products were designed to be used in applications needing to withstand temperature cycling, as well as, extended operation at higher temperatures.
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 8 - 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-CA6903-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	
Viscosity	100 cP	100 cP	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.6 MPa	2700 psi	
Adhesive Bond Strength	29.0 MPa	4200 psi	Steel lap shear

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	135 °C	275 °F	
Minimum Service Temperature, Air	-53.9 °C	-65.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	>= 0.233 min	>= 0.00389 hour	Fixture
	480 min	8.00 hour	Full cure

Descriptive Properties	Value	Comments
Base	Ethyl	
Color	Clear	
Gap Fill (mil)	6	

Descriptive Properties	Value	Comments
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