

Resinlab® CYNERGY CA6405 Adhesive

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

Material Notes:

Description: The CYNERGY 6400 SERIES are clear, highly toughened, high peel strength products ideal for bonding dissimilar materials with excellent performance on a wide range of surfaces. They impart superior hot strength, impact and thermal resistance making them ideal for demanding applications. **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-CA6405-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	
Viscosity	5000 cP	5000 cP	

Mechanical Properties	Metric	English	Comments
Shear Strength	25.9 MPa	3750 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	65.0 $\mu\text{m/m-}^{\circ}\text{C}$	36.1 $\mu\text{in/in-}^{\circ}\text{F}$	
Thermal Conductivity	0.170 W/m-K	1.18 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	121 °C	250 °F	
Minimum Service Temperature, Air	-53.9 °C	-65.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.5	3.5	
Dielectric Strength	13.8 kV/mm	350 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	≥ 0.300 min	≥ 0.00500 hour	Fixture
	480 min	8.00 hour	Full cure

Descriptive Properties	Value	Comments
Base	Ethyl	
Color	Clear	
Gap Fill (mil)	12	

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