

3M Pronto™ CA-4 Instant Adhesive

Category : Polymer , Adhesive , Thermoset

Material Notes:

One-part, room-temperature curing adhesive that is ready-to-use without metering or mixing. Bonded parts reach handling strength in 5-10 seconds on many applications. Fast setting multi-purpose cyanoacrylate adhesive for bonding a variety of plastics and rubbers. Meets MIL-A46050C Type II, Class 2. Base is ethyl. It takes assembled parts 5-40 seconds to reach a strength where further handling and processing can take place. Times will depend on surface to be bonded, temperature and humidity. Average T-Peel at 75°F (24°C) is 1-2 PIW. Tested per ASTM D 1876-61T. Information provided by 3M Adhesives Division.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Pronto-CA-4-Instant-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	60 - 120 cP	60 - 120 cP	

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	0.241 MPa	35.0 psi	on nitrile rubber; ASTM D1002-64
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	0.379 MPa	55.0 psi	on neoprene rubber; ASTM D1002-64
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	6.20 MPa	899 psi	on ABS; ASTM D1002-64
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	6.89 MPa	999 psi	on rigid PVC; ASTM D1002-64
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	10.3 MPa	1490 psi	on steel; ASTM D1002-64
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	10.3 MPa	1490 psi	on aluminum; ASTM D1002-64
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	20.0 °C	68.0 °F	

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