

3M Pronto™ CA-50 Gel 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. A high-viscosity gel consistency CA for many applications needing non-sag properties. Less sensitive to acidic surfaces. Base is ethyl. It takes assembled parts 60-120 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-50-Gel-Instant-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	45000 - 85000 cP	45000 - 85000 cP	

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	0.724 MPa	105 psi	on nitrile rubber; ASTM D1002-64
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	0.896 MPa	130 psi	on neoprene rubber; ASTM D1002-64
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	4.76 MPa	690 psi	on rigid PVC; ASTM D1002-64
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	5.90 MPa	856 psi	on ABS; ASTM D1002-64
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	6.20 MPa	899 psi	on aluminum; ASTM D1002-64
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	13.8 MPa	2000 psi	on steel; 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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