

Permabond 200 Cyanoacrylate, wire tacking

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

Material Notes:

PERMABOND 200 is a high viscosity product with good flow control useful in wire tacking applications or bonding components. It is fast setting and suitable for use on plastics, rubber and metals. Cyanoacrylate adhesives are single component adhesives that polymerize rapidly when pressed into a thin film between parts. The moisture adsorbed on the surface initiates the curing of the adhesive. Strong bonds are developed extremely fast and on a great variety of materials. These properties make PERMABOND cyanoacrylates the ideal adhesives for high speed production lines. Features and Benefits: Fast setting and fixturing of parts Rapid development of high strength Ease of use- no mixing, no heat cure Bonds most materials 100% reactive, no solvents Typical Applications: Wire tacking Component Mounting Encapsulating Soluble in Nitroethane, Methyl Ethyl Ketone, and Acetone. Information provided by Permabond.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Permabond-200-Cyanoacrylate-wire-tacking.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	Uncured
Viscosity	1500 cP	1500 cP	Uncured
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Storage Temperature	2.00 - 7.00 °C	35.6 - 44.6 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	
Adhesive Bond Strength	8.30 MPa	1200 psi	Aluminum, Shear
	22.0 MPa	3190 psi	Grit-blasted Steel, Shear
Impact	6.3 - 14.7	6.3 - 14.7	kJ/m^2 Adhesive Impact Strength; ASTM D950

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	82.0 °C	180 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Flash Point	83.0 °C	181 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	9.84 kV/mm	250 kV/in	

Processing Properties	Metric	English	Comments
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Processing Properties	Metric ^{min}	English ^{hour}	Comments ^{me}
	0.250 min	0.00417 hour	Buna N Rubber, set time
	0.250 min	0.00417 hour	Phenolic, set time
	1440 min	24.0 hour	full strength
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Appearance	Colorless	Uncured
Maximum Gap Fill (mm)	0.38	

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