

3M Scotch-Weld™ SF20 Super Fast Instant Adhesive

Category : Polymer , Adhesive

Material Notes:

3M™ Scotch-Weld™ Super Fast Instant Adhesives rely less on surface moisture for cure speed than standard cyanoacrylates. They are designed to join together difficult-to-bond plastics and rubbers, acidic and/or contaminated surfaces such as woods, leathers, cardboard, and oily surfaces. These cyanoacrylates can be used for a super fast cure in high speed production applications. SF20 is a wicking grade instant adhesive that is generally recommended for use on close-fitting parts and fairly smooth, even surfaces. It has been tested and passed the requirements of Commercial Item Description A-A-3097, Type II, Class 1 (formerly MIL-A-46050C). Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-SF20-Super-Fast-Instant-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	Uncured
Viscosity	17 - 22 cP	17 - 22 cP	ISO 3104/3105

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	33.1 MPa	4800 psi	cured, grit-blasted steel; ASTM D2095
Shear Strength	20.7 MPa	3000 psi	cured, grit-blasted steel; ASTM D1002

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	82.0 °C	180 °F	
Minimum Service Temperature, Air	-54.0 °C	-65.2 °F	

Processing Properties	Metric	English	Comments
Cure Time	0.0500 - 0.500 min	0.000833 - 0.00833 hour	Time to Handling Strength
	1440 min	24.0 hour	Full Cure

Descriptive Properties	Value	Comments
Appearance	Clear liquid	

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