

3M Scotch-Weld™ MG20 SF Medical Grade Instant Adhesive

Category : Polymer , Adhesive

Material Notes:

3M™ Scotch-Weld™ Medical Grade Instant Adhesive are intended for use on a wide variety of materials used in the construction of disposable medical assemblies. They will quickly bond metals, plastics, rubbers, and composite materials and are available with special properties such as fast cure, low odor, flexibility and a variety of viscosities. This product has been tested and meets the specifications of USP Class VI. These products are not intended for use in implantable medical assemblies or for direct application to the skin. MG20 SF is a fast curing cyanoacrylates that rely less on surface moisture for cure speed than standard cyanoacrylates. These cyanoacrylates can be used for a super fast cure in high speed production applications. Scotch-Weld Medical Grade Instant Adhesives MG20 SF is a low viscosity instant adhesive that will bond close-fitting parts. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-MG20-SF-Medical-Grade-Instant-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	
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	Overlap, 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
	1440 min	24.0 hour	Full Cure

Descriptive Properties	Value	Comments
Appearance	Clear Liquid	

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