

3M Scotch-Weld™ MG300 FLX 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. MG300 FLX is a medium viscosity cyanoacrylate that is formulated for extended resistance to impact, vibration, stress, peel, and humidity applications. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-MG300-FLX-Medical-Grade-Instant-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	
Brookfield Viscosity	200 - 400 cP	200 - 400 cP	LVF, sp 2 @ 30 rpm

Mechanical Properties	Metric	English	Comments
Shear Strength	20.0 MPa	2900 psi	Overlap, grit-blasted steel; ASTM D1002

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	71.0 °C	160 °F	
Minimum Service Temperature, Air	-54.0 °C	-65.2 °F	

Processing Properties	Metric	English	Comments
Cure Time	0.333 - 0.583 min	0.00555 - 0.00972 hour	Time to Handling
	1440 min	24.0 hour	Full Cure

Descriptive Properties	Value	Comments
Appearance	Clear Liquid	

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