

3M Scotch-Weld™ MG05 PR 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. MG05 PR is designed to give exceptional performance on difficult-to-bond plastic and rubber substrates. This adhesive may be bonded to like substrates or in combination with metal or composite substrates. Scotch-Weld Medical Grade Instant Adhesive MG05 PR is recommended for use on assemblies with very close-fitting parts and can be used to wick into bonding gaps of assembled parts. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-MG05-PR-Medical-Grade-Instant-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Viscosity	2.0 - 6.0 cP	2.0 - 6.0 cP	ISO 3104/3105

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	cured, grit-blasted steel; ASTM D2095

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	0.0167 - 0.167 min	0.000278 - 0.00278 hour	Time to Handling
	1440 min	24.0 hour	Full Cure

Descriptive Properties	Value	Comments
Appearance	Clear Liquid	

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