

3M Scotch-Weld™ SI Gel Surface Insensitive Instant Adhesive

Category : Polymer , Adhesive

Material Notes:

3M™ Scotch-Weld™ Surface Insensitive Adhesives bond rough, porous, contaminated, and acidic substrates including wood, cardboard, veneer, fabric, cork, and leather. SI Gel (formerly SB09) is a fast curing, very high viscosity, gap filling cyanoacrylate. Its gel formation can be used for bonding poorly mating components and for porous substrates such as china and other ceramics and can be used on vertical surface as it will not drip or slump. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-SI-Gel-Surface-Insensitive-Instant-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	Uncured
Brookfield Viscosity	7000 - 20000 cP	7000 - 20000 cP	RVT 'T-spindle' C @ 20 rpm
	50000 - 90000 cP	50000 - 90000 cP	RVT 'T-spindle' C @ 2.5 rpm

Mechanical Properties	Metric	English	Comments
Shear Strength	20.0 MPa	2900 psi	cured; 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	0.500 - 1.00 min	0.00833 - 0.0167 hour	Time to Handling Strength
	1440 min	24.0 hour	Full Cure

Descriptive Properties	Value	Comments
Appearance	Clear Liquid	

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