

3M Scotch-Weld™ SI5 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. SI5 (formerly SB20) is a very low viscosity, wicking grade surface insensitive cyanoacrylate for bonding a wide variety of substrates including wood, paper, cardboard, leather, and fabric. 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-SI5-Surface-Insensitive-Instant-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	Uncured
Viscosity	2.0 - 5.0 cP	2.0 - 5.0 cP	U-Tube IC-C45

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	0.250 - 0.583 min	0.00417 - 0.00972 hour	Time to Handling Strength
	1440 min	24.0 hour	Full Cure

Descriptive Properties	Value	Comments
Appearance	Clear Gel	

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