

3M Scotch-Weld™ LO1000 Low Odor Instant Adhesive

Category : Polymer , Adhesive

Material Notes:

3M™ Scotch-Weld™ Low-Odor Instant Adhesives are formulated to have low volatility while maintaining bonding of a wide range of materials. Low volatility means that these products are not only low odor but also low blooming. The residues (chlorosis) of the joint area are eliminated to improve appearance in cosmetically critical applications. Lower odor can improve worker comfort in work areas where ventilation is limited. These products reduce the requirement for sophisticated ventilation systems that may be necessary when dispensing other cyanoacrylates. LO1000 (formerly PR03) is a high viscosity low odor cyanoacrylate that has good gap-filling capability. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-LO1000-Low-Odor-Instant-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	
Viscosity	1000 cP	1000 cP	
Brookfield Viscosity	900 - 1200 cP	900 - 1200 cP	LVF Sp #2 @30 rpm

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	13.8 MPa	2000 psi	cured; ISO 6922

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 - 1.17 min	0.00555 - 0.0195 hour	Time to Handling Strength
	1440 min	24.0 hour	Full Cure

Descriptive Properties	Value	Comments
Appearance	Clear Liquid	

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