

3M Scotch-Weld™ PR Gel Plastic and Rubber Instant Adhesive

Category : Polymer , Adhesive

Material Notes:

3M™ Scotch-Weld™ Plastic and Rubber Instant Adhesive 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. Superior performance is achieved on materials such as heavily plasticized PVC, EPDM, ABS, Nylon, Santoprene® and Viton®. PR Gel (formerly PR54) is a fast curing, very high viscosity, gap-filling cyanoacrylate. Its gel formulation is suitable for bonding poorly mating components and for porous substrates and can be used on vertical surfaces as will to drip or slump. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-PR-Gel-Plastic-and-Rubber-Instant-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	
Brookfield Viscosity	7000 - 20000 cP	7000 - 20000 cP	RVT 'T-spindle' C @ 5
	50000 - 90000 cP	50000 - 90000 cP	RVT 'T-spindle' C @ 2.5

Mechanical Properties	Metric	English	Comments
Shear Strength	20.0 MPa	2900 psi	cured, grit-blasted steel; 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 Gel	

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