8848 Hacks Cross Rd
Olive Branch, MS 38654
Fax (662) 895-4439
www.accrabond.com
Phone (662) 895-4480

TECHNICAL DATA BULLETIN

INSTAbond® M-100

Cyanoacrylate Adhesive

PRODUCT DESCRIPTION:

INSTAbond® M-100 is a general purpose methyl cyanoacrylate that has a high bond strength to a variety of substrates. INSTAbond® M-100 contains no solvent and has low toxicity, which makes it very popular and easy to use. Additionally, this material requires no mixing or heating and can be used on a wide variety of substrates.

INSTRUCTIONS FOR USE:

To maximize performance of INSTAbond® M-100 cyanoacrylate, clean and degrease all substrates before applying adhesive. Make sure substrates are dry before applying adhesive. Apply a thin bond line for best results. Difficult to bond plastics like polyethylene, polypropylene, ABS, EPDM and silicone rubber will require INSTAbond® PDQ Primer for best results. If setting time is longer than desired (caused by low humidity or large gap fill), use INSTAbond® PDQ Accelerator.

PROPERTIES OF MATERIALS AS SUPPLIED

Property	Test Method	Unit	Value
Chemical Type	----------	-------	Methyl Cyanoacrylate
Appearance	Visual	-------	Transparent, clear liquid
Density	ASTM D792	g/cc (lb/gal)	1.1
Brookfield Viscosity	ASTM D2393	cP	100-125

CURED PROPERTIES

Property	Test Method	Unit	Value
Gap Filling	----------	-------	0.06 mm
Tensile Strength (steel to steel)	ASTM D-2095	N/mm2	25-30
Tensile LapShear (steel to steel)	ASTM D-1002	N/mm2	15-26

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CURE SPEED – based on 50% RH at 22°C (72°F)

Substrate	Unit
Plastic	30-40 Seconds
Rubber	30-40 Seconds
Metal	30-40 Seconds
Wood	30-40 Seconds

STORAGE

This product should be stored at 25°C (77°F) and out of direct sunlight. Product should be stored in the original, closed container. Shelf life is 12 months when stored in accordance with manufacturer's recommendations.

Refer to the INSTAbond® M100 Material Safety Data Sheet for instructions on safe handling of this material.

PACKAGING:

INSTAbond® M-100 is available in 1-oz, 2-oz, 4-oz, 500 gram (1.1 lb.) bottles. Other package sizes and options are available upon request.

NOTE

The information contained in this document is furnished for information only and it's believed to be reliable based on previous evaluations. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for user's application based on user's production methods. This data should only be used as a guide for determining feasibility for a particular application.

Conversion Information:
(°C x 1.8) + 32 = °F
N x 0.225 = lbs
N/mm x 5.71 = psi
N/mm² x 145 = psi
N·m x8.851 = lb. in
mP·s = cP

PRODUCT INFORMATION CONTAINED HEREIN IS INTENDED FOR REFERENCE ONLY. MATERIAL SAFETY DATA INFORMATION AVAILABLE AT (662) 895-4480 OR IN WRITNG TO: ACCRAbond, Inc. 8848 Hacks Cross Road, Olive Branch, MS 38654-1827, www.accrabond.com.